



## **MONTHLY PROGRESS REPORT for REMEDIAL DESIGN/REMEDIAL ACTION CONSENT DECREE**

This progress report has been prepared for the Centredale Manor Restoration Project (CMRP) in North Providence, Rhode Island (Site) in fulfillment of the reporting requirements provided in Section 5.1 of the Statement of Work (Appendix B to the Consent Decree) lodged on July 9, 2018. This progress report addresses activities in each Action Area, as applicable, that took place between April 1, 2020 and April 30, 2020. The Statement of Work requires that the following information be provided:

### **A. ACTIONS TAKEN THROUGH REPORTING PERIOD**

- ) Loureiro Engineering Associates (LEA) held a conference call on April 1, 2020 with the United States Environmental Protection Agency (EPA), Rhode Island Department of Environmental Management (RIDEM), EPA oversight subcontractors, and LEA subcontractors to discuss the status of CMRP baseline ecological assessments.
- ) LEA submitted the revised Ecological Baseline Pre-Design Investigation (PDI) – Part II PDI and Quality Assurance Project Plan (QAPP), response to comments, and redlined Field Sampling Plan (FSP) to EPA on April 1, 2020.
- ) LEA submitted the revised CMRP Annual Report to EPA on April 1, 2020.
- ) LEA submitted redlined Ecological Baseline PDI - Part II QAPP worksheets to EPA on April 2, 2020.
- ) LEA submitted an updated version of the 30% Remedial Design (RD) for Lyman Mill Dam that included additional drawings and specifications for the 30% design, to EPA on April 3, 2020.
- ) LEA held a conference call on April 7, 2020 with EPA, RIDEM, and EPA oversight subcontractors to discuss the status of Source Area Remedial Action (RA) construction activities.
- ) LEA held a conference call on April 8, 2020 with EPA, RIDEM, and EPA oversight subcontractors to discuss the status of CMRP work plans and supporting documents.
- ) LEA submitted “Section 024119 - Selective Demolition – Brook Village Underground Storage Tank (UST) Removal”, an annotated Permanent Closure Application for USTs, and email correspondence on the closure application to EPA on April 9, 2020.
- ) LEA submitted a response to comments, as well a revised Study C North of Rt. 44 and West of Allendale Reach Sampling Plan and a redlined version to EPA on April 10, 2020.

- \_) LEA held a conference call on April 15, 2020 with EPA, RIDEM, EPA oversight subcontractors, and LEA subcontractors to discuss the status of CMRP baseline ecological assessments.
- \_) LEA had a Source Area Construction Kick-off Site Walk with EPA, RIDEM, and EPA oversight subcontractors on April 16, 2020.
- \_) LEA held a conference call on April 21, 2020 with EPA, RIDEM, and EPA oversight subcontractors to discuss the status of Source Area RA construction activities.
- \_) LEA held a conference call on April 22, 2020 with EPA, RIDEM, and EPA oversight subcontractors to discuss the status of CMRP work plans and supporting documents.
- \_) LEA held a conference call on April 28, 2020 with EPA, RIDEM, and EPA oversight subcontractors to discuss the status of Source Area RA construction activities.
- \_) LEA held a conference call on April 29, 2020 with EPA, RIDEM, EPA oversight subcontractors, and LEA subcontractors to discuss the status of CMRP baseline ecological assessments.
- \_) LEA held a conference call on April 30, 2020 with EPA and EPA oversight subcontractors to discuss the status of CMRP updates.
- \_) LEA submitted the revised on-site Study C Memorandum, redlined memorandum, analytical data, and response to comments letter regarding sampling on Study C, Cumberland Farms, and Dollar Tree properties to EPA on April 30, 2020.

### **Source Area Soil Sampling Activities**

- \_) LEA has scheduled the advancement of six soil borings in the vicinity of Area 1 (landscaped area around Centredale Manor) to delineation of polychlorinated biphenyls (PCBs) detected above 50 mg/kg in soil borings PDI-SA-SB-0108 and PDI-SA-SB-0121. Delineation of these locations will support the revised approach for depth of excavation within the landscaped area around Centredale Manor. The locations of these soil borings and sampling table is attached to this report. These locations will be drilled on May 5, 2020. Analytical data will be provided as part of the May monthly progress report.
- \_) LEA has scheduled installation of four piezometers in the vicinity of Centredale Manor to monitor groundwater elevation during construction in Area 1 (landscaped area around Centredale Manor). Installation of the piezometers is scheduled for May 11, 2020.

### **Allendale Pond Sediment Sampling Activities**

- \_) No additional field sampling was conducted in April.

### **North of Smith Street and West Bank Soil Sampling Activities**

- ) Soil sampling in the floodplain north of Smith Street and on the West Bank of Allendale Reach occurred from April 20 through April 30, 2020.
- ) Due to high water levels, several samples typically in the floodplain were inundated. To be consistent with previous sampling activities, Loureiro will return to these sample locations when water levels have receded and the sample location can be assessed more accurately as to whether they are sediment or floodplain.
- ) Sampling activities will continue through the month of May, Glacier Drilling (subcontractor) will be on-site to support sampling activities on the West Bank of Allendale Reach.
- ) A sampling standard operating procedure (SOP) audit was performed by Sarah Burkhalter-Sweeney on April 20, 2020.

### **Allendale Pond Floodplain Soil Sampling Activities**

- ) On April 7, 2020, 2 soil samples were collected for dioxin/furan analysis from pre-surveyed locations at 45 Grover St. North Providence as part of the Allendale Floodplain Soil PDI.

### **Ecological Assessment Activities**

- ) Integral updated the Health and Safety Plan (HASP) per Agency comments and to incorporate LEA, Integral, and Normandeau Associates, Inc. (Normandeau) COVID-19 safety protocols
- ) Integral performed the following tasks in support of the Ecological Baseline PDI (Eco PDI):
  - o Monitored water levels at wetland area piezometers and staff gauges
  - o Drafted the field summary report for the Eco PDI Part I, Operable Unit (OU) 1 and OU 2
  - o Drafted the field summary report for the Eco PDI Part II Fish Tissue Assessment
  - o Reviewed Normandeau's field summary report for the Eco PDI Part II Benthic Community Assessment
  - o Reviewed Normandeau's field summary report for the Eco PDI Part II Fish Community Assessment
- ) Integral's subcontractor, Normandeau, performed the following tasks in support of the Eco PDI:
  - o Provided an assessment of benthic macroinvertebrate samples

- Performed aging analyses of fish scales and eel otoliths
- Performed a vernal pool assessment of Lyman Mill Pond shorelines
- Drafted field reports for the benthic community assessment and the fish community assessment efforts.
- Ј Integral performed the following tasks in support of the Hydrodynamic Modeling PDI:
  - Performed checks on water level pressure sensors and current monitoring platforms for additional hydrodynamic field data collection in March-May 2020
  - Incorporated updated bathymetry data into the Allendale Pond hydrodynamic model
  - Reviewed 2019 flow transecting data and discussed with LEA a path forward for flow transecting in spring 2020.
- Ј On April 8 and April 20, 2020, Integral performed water level monitoring at wetland piezometers and staff gauges, and visually observed from shore the placement of hydrodynamic data collection instruments.

#### **Allendale Reach Sediment PDI Sampling Activities**

- Ј This work has been postponed due to rising water levels and an increase in river velocity.

#### **Sediment Treatment Facility Siting Study**

- Ј LEA began due diligence activities on RLR Property (Libutti Site) Parcel at Plat 36, Lot 38 on April 27, 2020.

#### **Source Area Cap RA Activities**

##### **Week of March 30:**

- Ј LEA continued construction and installation of the concrete retaining wall/footing forms along the northern border of Area III. For all concrete retaining wall and footing form construction and installation, steel rebar reinforcement was installed and tied as the forms were being constructed (Structural Drawing S-1 of RD). Dewatering of all Area III retaining wall construction operations was completed utilizing sumps along the perimeter of the work area (8 feet below grade [fbg]), 2" submersible pumps, and multiple 500 gallons per minute (GPM) sediment filtration bags (Dirtbags©). Water pumped from the excavation was run through the filter system then slowly allowed to infiltrate onto the Area III surface. New sediment filtration bags (Dirtbags©) were regularly utilized. The

northwest portion of the Area III retaining wall was backfilled with ½" stone to the top of form footing.

- | LEA continued construction of clean corridor 1, north of the Area V parking lot. For all clean corridor work, submersible pumps were used to dewater the work area and pump to the onsite weir tank. All utilities were exposed and cleaned of soil debris, and demarcation fabric was placed in the bottom of the excavation, ½" stone was backfilled, and was verified to be a minimum of 6" of stone under and 8" over all utilities. All soil removed was transported to the Area III temporary stockpile and covered with poly. The fire hydrant line was exposed and the clean corridor was constructed after the line was adjusted and reset to its previous position.
- | LEA continued clean corridor operations on the west side of Centredale Manor near the main entrance of the building.
- | The dewatering treatment system was inspected and lined up to pump. Each time, prior to discharge, a water sample was collected and analyzed for turbidity (<12 Nephelometric Turbidity Units [NTU]). Approximately, 47,603.5 gallons total of treated groundwater were discharged into the tailrace on the east side of the site this week.
- | On April 2, 2020, Materials Corp. placed 10 yds of 4000 pounds per square inch (psi) concrete along the northwest portion of Area III for retaining wall construction. Tri-State Materials Testing (TSMT) was onsite during all concrete placement operations to perform quality control (QC) testing. Concrete was tested in accordance with American Society for Testing and Materials (ASTM) C143 (slump), ASTM C1064 (temp) and ASTM C231 (air). 10 test cylinders were cast per day during concrete placement, 5 were left to cure in the field and 5 were left to cure in the job trailer. TSMT completed a visual inspection of rebar prior to concrete placements and noted no discrepancies. Full reports are in progress.

Week of April 6:

- | LEA continued construction and installation of the concrete retaining wall/footing forms along the northern border of Area III. The northern portion of the Area III retaining wall was backfilled with ½" stone to top of form footing.
- | LEA continued construction of clean corridor 2, north of the Area V parking lot. The fire hydrant line was exposed and the clean corridor was constructed after the line was adjusted and reset to its previous position.
- | The dewatering treatment system was inspected and lined up to pump. Each time, prior to discharge, a water sample was collected and analyzed for turbidity (<12 NTU).

Approximately, 18,269 gallons of treated groundwater were discharged into the tailrace on the east side of the site this week.

Week of April 13:

- ) LEA continued construction and installation of the concrete retaining wall/footing forms along the northern border of Area III. The north/south run of the Area III retaining wall was backfilled with  $\frac{1}{2}$ " stone to the top of form footing.
- ) On April 13, 2020, construction operations were secured at 12:00 due to heavy wind and rain (wind speed up to 40 mph and over 1.5" of rain). Concrete placement was postponed and the Area III temporary soil stockpile was covered with extra weights to help ensure the cap remained in place during high winds
- ) The dewatering treatment system was inspected and lined up to pump. Each time, prior to discharge, a water sample was collected and analyzed for turbidity (<12 NTU). Approximately 83,444 gallons total of treated groundwater were discharged into the tailrace on the east side of the site this week.
- ) On April 14, 2020, a test pit excavation was completed on the west side of the roadway near the utility pole near Centredale Manor. A concrete duct bank containing underground electrical cables was exposed and surveyed along with the groundwater elevation. The groundwater elevation was observed at an elevation of 94.3'.
- ) On April 14, 16, and 20, 2020, Materials Corp. placed 17, 16 & 17 yds (respectively) of 4000psi concrete along the northwest portion of Area III for retaining wall ramp construction. TSMT was onsite during all concrete placement operations to perform QC testing.
- ) LEA continued clean corridor operations on the west side of Centredale Manor near the main entrance of the building. An 8" layer of 1.5" processed aggregate was installed and compacted using a vibratory drum roller. The fire hydrant line and valves were exposed.
- ) On April 15, 2020, the 8" fire services waterline was temporarily secured to complete work to mechanically restrain the hydrant and valves piping. Prior to this operation, LEA coordinated with the North Providence Fire Department (NPFD) and fire-watches were stationed inside Centredale Manor. While excavating in an Area I clean corridor, a small (<1000 gal) UST was uncovered directly south the fire hydrant in between the 4" waterline and concrete duct bank. Upon discovering the UST it was noted that there were no sheens or chemical odors in the area surrounding the tank and that the tank was approximately 50% submerged in groundwater. It was also noted there was a large concrete block on top of the tank indicating that it may have been filled with concrete. The NPFD and RIDEM

were notified immediately and the area was secured until further guidance from RIDEM on the status of the tank was confirmed. The fire-watches remained in place overnight.

- | On April 16, 2020. RIDEM confirmed that UST (#1398) had been abandoned in place on August 2002. The tank was removed from the area and it was noted there was no soil staining, oil sheen, or chemical odor underneath the tank. The tank was transported to Area III, and once it was confirmed the tank was filled with concrete the steel tank was removed and the concrete is awaiting demo and offsite disposal. Work on the fire hydrant mechanical restraints was completed and the 8" fire services line was restored and sprinkler services were verified operational by Encore Fire and the NPDFD. The fire-watches were secured and the Centredale Manor management was notified.
- | TSMT completed 6 compaction tests (ASTM D6938) on the recently compacted Area I clean corridor near the Centredale Manor main entrance to ensure >95% proctor value of 145.0 pcf. During all TSMT compaction tests, survey shots of compaction locations were collected.
- | LEA completed a site-walk of the Source Area and Lymansville Dam with Parsons Engineering personnel.
- | On April 20, 2020, TSMT completed 2 compaction tests (ASTM D6938) on the recently compacted clean corridor 2, north of the Centredale Manor north parking lot (380' south of above ground mechanical hotbox) to ensure >95% proctor value of 145.0 pounds per cubic foot (pcf).

Week of April 20:

- | LEA continued construction and installation of concrete retaining wall/footing forms along the northern border of Area III.
- | On April 20 and 22, 2020, Materials Corp. placed 17, & 10yds (respectively) of 4000psi concrete along the northwest portion of Area III for retaining wall & ramp construction. TSMT was onsite during all concrete placement operations to perform QC testing.
- | On April 20, 2020, TSMT completed 2 compaction tests (ASTM D6938) on the recently compacted clean corridor 2, north of the Centredale Manor north parking lot (380' south of above ground mechanical hotbox).
- | On April 22, 2020, TSMT completed 4 compaction tests (ASTM D6938). 2 were completed on the previously compacted clean corridor 2, north of the Centredale Manor north parking lot (410' south of above ground mechanical hotbox), and 2 were completed 100' north of the Centredale Manor main entrance to ensure >95% proctor value of 145.0 pcf. No discrepancies were noted.

- ) The dewatering treatment system was inspected and lined up to pump. Each time, prior to discharge, a water sample was collected and analyzed for turbidity (<12 NTU). Approximately 129,515 gallons total of treated groundwater were discharged into the tailrace on the east side of the site this week.
- ) LEA continued construction of clean corridor 2, north of the Area V parking lot.
- ) LEA continued clean corridor operations on the west side of Centredale Manor near the main entrance of the building.
- ) LEA Utility Scanning completed a geophysical survey of Area IV in preparation for retaining wall construction. All located utilities were marked in the field using paint or flags.
- ) On April 22, 2020. TSMT completed 4 compaction tests (ASTM D6938). 2 were completed on the previously compacted clean corridor 2, north of the Centredale Manor north parking lot (410' south of above ground mechanical hotbox) and 2 were completed 100' north of the Centredale Manor main entrance to ensure >95% proctor value of 145.0pcf.
- ) On April 23, 2020, a light pole was removed from the landscaped island on the south side of Area V to make room for additional clean corridor work.
- ) LEA Survey completed clean corridor cross sections and surveyed all utilities within the limits of the clean corridors.
- ) On April 24, 2020, H.O. Penn delivered a 25-ton haul truck that will be utilized for soil transportation from construction areas to Area III soil stockpile. The truck was inspected prior to receiving. Temporary construction fencing was installed around the perimeter of Area IV in preparation for retaining wall excavation and subsequent construction operations in this area. A 30 yd construction debris roll-off was delivered to the site and placed within the limits of Area IV. This roll-off will be used to dispose of wooden fencing and other items that will be removed during Area IV construction. Filter fabric was placed on the south side of Area IV ramp and backfilled with ½" stone to the top of retaining wall ramp footing

Week of April 27:

- ) On April 27, 2020, excavation of Area IV retaining wall commenced on the north side of Area IV. All excavated soil was transported to the Area III temporary soil stockpile. After verifying subgrade elevation, a layer of filer fabric was placed in the bottom of excavation and an 8-12" layer of ¾" bedding stone was placed on top to service as a bedding course for retaining wall. Soil Erosion and Sediment Control (SE&SC) straw waddles were

installed along the western border of Area IV. Prior to excavation, LEA survey laid out the limits of the concrete retaining wall and the wooden fencing surrounding the northern portion of Area IV was removed and disposed in a 30yd roll-off and will be transported offsite and disposed of as construction and demolition (C&D) debris.

- ) A light pole base was removed from the limits of the excavation and staged inside Area IV demolition. Once the excavation was completed the subgrade was inspected by LEA and surveyed. Filter fabric was installed in the bottom of the excavation and a 12" layer of ¾" bedding stone was placed as subbase for the concrete retaining wall. Concrete retaining wall footing forms were then constructed and installed.
- ) The dewatering treatment system was inspected and lined up to pump. Each time, prior to discharge, a water sample was collected and analyzed for turbidity (<12 NTU). Approximately 123,676 gallons total of treated groundwater were discharged into the tailrace on the east side of the site this week.
- ) LEA continued construction of clean corridor 2 on the east side of the Area V parking lot. An 8" layer of 1.5" processed aggregate was installed and compacted using a vibratory drum roller.
- ) On April 28, 2020, while excavating within the limits of clean corridor 2, near the south entrance to Area V, an abandoned section of 8" ductile iron pipe was uncovered directly under the existing 8" fire service waterline and a large concrete block was also uncovered directly under the 4" domestic waterline.
- ) On April 28, 2020, at approximately 10:15, a front loader carrying a load of concrete curbing backed into a parked car in the Area V parking lot north of Centredale Manor. No injuries occurred and no one was inside of the vehicle. The owner of the vehicle was notified immediately and repairs are currently underway. A full incident investigation is being carried out by the site health and safety officer and the corporate health and safety officer. A new health and safety policy regarding vehicle spotting while backing up in parking or commonly traveled areas has been instituted, along with additional onsite health and safety personnel to help identify and support safety issues while construction is ongoing.
- ) A test-pit excavation was completed on the west side of the transformer on the northeast side of the Centredale Manor. A concrete pile cap was uncovered and surveyed.
- ) Parsons Engineering and LEA completed a site walk and reviewed all ongoing construction areas.
- ) Work continued on Area III retaining wall in the northern portion of Area III. Concrete forms were stripped, cleaned and stacked for later use. The Area III temporary soil pile was

uncovered and reworked to make additional room for soil excavated from other areas of the site.

- ) General housekeeping and maintenance of the newly formed concrete retaining wall was completed throughout the week.
- ) On April 30, 2020, Materials Corp. placed 24yds of 4000psi concrete on the north side of Area IV for the retaining wall footing construction. TSMT was onsite during all concrete placement operations to perform QC testing.
- ) At 08:00 Encore Fire Services and the NPFD secured the 8" & 4" waterlines to allow for the removal of the abandoned section of ductile iron pipe and concrete block uncovered on April 28, 2020. Prior to this, fire watches were stationed inside Centredale Manor and remained in place until the work was completed. The concrete was broken up and removed along with the section of piping using a mini-excavator. Once this was complete the area was inspected and a clean corridor was constructed in this area. The 8" & 4" waterlines were activated and all fire suppression services were verified operational by Encore Fire and the NPFD and the fire-watches were secured.
- ) On May 1, 2020, a geophysical scan was completed on the north side of Brook Village and on the southwest portion of Centredale Manor to support ongoing sampling activity. All located utilities were marked in the field utilizing survey flags and spray paint.
- ) A test-pit excavation was completed on the east side of the transformer on the northeast side of the Centredale Manor. 9 utility conduits were located and surveyed along with the groundwater elevation (95.17').
- ) On April 4, 2020, Recon Outfitters replaced the used carbon from carbon vessel #1 with new activated carbon. The spent carbon was transported to the Area III soil stockpile and covered with poly.
- ) Throughout the week LEA survey completed construction layout/verification and clean utility corridor cross sections, along with various other survey tasks. The data will be incorporated into the ongoing as-built drawing for (quality assurance/quality control) QA/QC review.
- ) At the end of each workday the Area III temporary soil stockpile was covered with poly and weighed down with cinder blocks.

## B. DELIVERABLES APPROVED BY EPA

- ) EPA approved the Study C North of Rt. 44 and West of Allendale Reach Sampling Plan on April 13, 2020.

### C. COMMENTS/DOCUMENTS PROVIDED BY EPA

- \_) EPA provided comments on the Study C North of Rt. 44 and West of Allendale Reach Sampling Plan on April 1, 2020.
- \_) EPA provided comments on the Study C (onsite, Cumberland Farms, and Dollar Tree properties) Sampling Plan on April 2, 2020.
- \_) EPA provided comments on the Source Area Groundwater Elevation Memo on April 7, 2020.
- \_) EPA provided comments on the 30% RD for Lyman Mill Dam on April 28, 2020.
- \_) EPA provided comments on the updated Ecological Baseline PDI—Part II PDI and QAPP on April 30, 2020.

### D. RESULTS OF SAMPLING, TESTS, AND ALL OTHER DATA RECEIVED

#### Allendale Pond Sediment

- \_) A summary table and map showing the current delineation status for 2,3,7,8-Tetrachlorodibenzo-P-dioxin (2,3,7,8-TCDD) data in Allendale Pond sediment samples was developed and provided to EPA. The locations assessed during this review were from the cores collected at the 75' node locations. These will be used to determine the depth of excavation to evaluate if background levels are met within Allendale Pond. There are approximately 40 samples that are needed in order to finish vertical delineation of 2,3,7,8-TCDD. These samples will be released for analysis during the first week of May.
- \_) In addition, a table outlining the current delineation status for other constituents of concern (COCs) identified in the Record of Decision (ROD) Table L-6 and L-7 in Allendale Pond sediment samples was created and submitted to EPA on May 1<sup>st</sup>. Additional data will be loaded in early May and the evaluation will be updated with the additional data.

#### Allendale Pond Floodplain Soil

- \_) Dioxin/furan analytical results from samples collected on March 27 and 30, 2020 and April 7, 2020 have been received and are being added to the EQuIS database and will be provided in the next progress report.

### **Background Sediment**

- Ј At this time, all Background sediment data collected in June/July 2019 is validated, Dioxin/Furan and PCB Congener validation qualifiers are actively being entered into Environmental Quality Information System (EQuIS) database and reviewed by the Project Chemist
  - Several Eurofins Lancaster Laboratories Environmental, LLC (ELLE) Level IV data packages (TUN 40, TUN 41, TUN42, TUN43, TUN 54) were incomplete and revisions had to be requested in order to complete data validation. Revised data package reissuance took over four weeks, resulting in delayed final validation packages for those data packages.
- Ј Biota sediment accumulation factor (BSAF) Sediment Sample Packages
  - Volatile Organic Compounds (VOCs) are complete and ready for evaluation
  - PCB Aroclors – validation is complete and validation qualifiers are actively being entered into EQuIS databased and review by the Project Chemist
  - Semi-volatile Organic Compounds (SVOCs) and Metals analyzed by Tunxis are still under validation, Tunxis is revising Level IV data packages and providing additional documentation to New Environmental Horizons (NEH) for validation. Provided that revisions and additional documentation address verbal discussion, the outcome of the data validation will not change and the validation will be completed week of May 4, 2020.

### **North of Smith Street and West Bank Soil Sampling Activities**

- Ј No analytical data has been received for the ongoing sampling. Analytical data is due to Loureiro from Tunxis beginning on/around May 6, 2020 and ELLE on/around May 13, 2020.

### **Ecological Assessment**

- Ј ELLE provided Integral final laboratory data for all fish tissue samples collected in September and October 2019 as part of the Eco PDI Part II. Laboratory Data Consultants, Inc. (LDC) completed data validation of these data packages in February 2020. Integral provided data to LEA for inclusion in the project database on April 14, 2020.

### Source Area Baseline Groundwater Sampling

- \_) Attached to this progress report is a table comparing groundwater analytical data to the ROD cleanup criteria (2,3,7,8-TCDD and GB RIDEM criteria) and a figure depicting monitoring well locations.
- \_) The sample classes seen in the exceedance table are GWLF (Groundwater Low Flow) and GWLF-BP (Groundwater Low Flow – Bladder Pump). These classes were added to the table to differentiate the method of sample collection, specifically for VOCs. The GWLF is for all ultra low-flow and low-flow sampling via peristaltic pump and the GWLF-BP is for the low-flow sampling via bladder pump for VOCs.
- \_) The highest detected 2,3,7,8-TCDD concentration was 6.41 pg/L from a non-field filtered sample from MW-09S, which is well below the groundwater criteria of 1,800 pg/L.

### QAPP/Laboratory Items

- \_) ELLE is preparing an Investigation and Corrective Action Report (ICAR) related to their Level IV Data Package Production Process. Level IV data packages have routinely been received incomplete, which results in increased validation timeframes. The resulting ICAR will be provided as part of the June 2020 monthly progress report.
- \_) LDC (data validation subcontractor) frequently find issues with data packages the day the validation package is due back to Loureiro, which has significantly increased the turn-around-time of data validation.
- \_) Total organic carbon (TOC) Calculation Errors by ELLE required revision of data packages (TUN54), and delayed the data validation process.
- \_) Number of Parameters (primarily caused by PCB Congeners) requested for analysis results in data packages too large to be delivered in single document/package. Working through the process of how to export all data for a sample delivery group (SDG) caused delays. Implemented a “2 part” system.
- \_) During validation it was identified that ELLE was not drying solid samples containing less than 30% solids prior to analysis, as is required the EPA Region 1 and the RD QAPP (November 2018). LEA is working with ELLE to determine how many samples were impacted by this error, how many samples will only be qualified due to low percent solids. ELLE will be producing an ICAR and proposing alternate drying methods and SOPs than presented in the QAPP. These deliverables will be provided in the June progress report.

**E. SCHEDULED FOR THE NEXT SIX WEEKS**

- ) Integral will perform flow transecting and mid-deployment check and data retrieval on hydrodynamic data collection instruments in Lyman Mill Pond, as shown on attached figure (5/1/20)
- ) Integral to retrieve Allendale Pond water level monitoring platforms and perform mid-deployment check and data retrieval on water level loggers (5/7/20)
- ) Integral will continue to perform water level monitoring of Oxbow and Assapumpset wetland piezometers and staff gauges, and perform visual checks (5/7/20, 5/20/20, 6/4/20)
- ) Submit revised Integral HASP (5/12/20)
- ) Submit response to comments on Source Area Remedial Action Work Plan (RAWP) (5/8/20)
- ) Submit revised Allendale Pond Floodplain Soils Remediation Approach (5/12/20)
- ) Sediment Treatability Study Evaluation Report (5/13/20)
- ) Submit 95% Remedial Design of Phase 1 of Lyman Mill Dam Repair (5/25/20)
- ) Submit a revised Draft Eco PDI Part II Work Plan/QAPP and a schedule (5/28/20)
- ) Review Allendale Pond Data to review and determine if a final sampling event is needed to complete the delineation (May 2020)
- ) Contact North Providence property owners adjacent to the Source Area about cutting trees and excavating soils on their properties (assuming revised Allendale Pond Floodplain Soils Remediation Approach is approved by EPA & RIDEM).
- ) Conduct on-site and off-site Study C supplemental soil sampling plan, pending approval of Study C supplemental soil sampling plan (May – June 2020)
- ) Submit Background Sediment validated data package and preliminary data statistics (5/15/20)
- ) Integral will retrieve remaining hydrodynamic data collection instruments (5/27/20)
- ) Submit the Draft Field Summary Report for Eco Baseline PDI Part I: OU1 and OU2 (6/5/20)
- ) Continue existing conditions surveys of residential properties
- ) Continue due diligence activities at RLR Property.

## F. RA CONSTRUCTION SCHEDULE

### Source Area Cap Remedial Action

- | An updated three-week look-ahead is provided weekly in the Source Area RA Construction Update conference calls.

## G. MODIFICATIONS TO WORK PLANS OR OTHER SCHEDULES

### Background Sediment

- | Due to issues with Level IV data packages, and validation deadline extensions by subcontracted data validators, the previous submittal date for background sediment data set (4/10/2020) has been extended to May 15, 2020.

### Source Area Baseline Groundwater Sampling

- | During the review of the field paperwork it was found that the groundwater samples from MW-07D that were sent to ELLE were initially submitted on hold. The samples for dioxins/furans and PCB congeners, were subsequently released for analysis and the data will be included in next monthly progress report. However the samples for SVOCs, total petroleum hydrocarbon (TPH), and pesticides were outside of hold time.

## H. ACTIVITIES UNDERTAKEN IN SUPPORT OF THE COMMUNITY INVOLVEMENT PLAN (CIP)

- | LEA submitted a summary of activities performed in the month of March for the Woonasquatucket River Watershed Council (WRWC) on April 20, 2020.
- | LEA continues to send out access agreements regarding land and vegetation surveys to residential properties.

## ATTACHMENTS

PCB Sampling Locations Drawing

PCB Delineation Sampling Table

Spring 2020 Data Collection Points for Hydrodynamic Pre-Design Investigation

Source Area Baseline Groundwater Analytical Summary Table

Monitoring Well Locations

**PCB Sampling Locations Drawing**



**PCB Delineation Sampling Table**

PCB Delineation Sampling  
 Source Area Remedial Design  
 Centredale Manor Restoration Project

Sample ID	X Coordinate	Y Coordinate	Sampling intervals	Analysis
PDI-SA-SB-0270	331789.2	281547.83	0-1' 1-2' 2-3' 3-4' 4-5' 5-6'	PCB Aroclors
PDI-SA-SB-0271	331801.64	281539.81	0-1' 1-2' 2-3' 3-4' 4-5' 5-6'	PCB Aroclors
PDI-SA-SB-0272	331810.95	281526.1	0-1' 1-2' 2-3' 3-4' 4-5' 5-6'	PCB Aroclors
PDI-SA-SB-0273	331831.6	281525.83	0-1' 1-2' 2-3' 3-4' 4-5' 5-6'	PCB Aroclors
PDI-SA-SB-0274	331852.6	281516.85	0-1' 1-2' 2-3' 3-4' 4-5'	PCB Aroclors
PDI-SA-SB-0275	331841.89	281507.29	0-1' 1-2' 2-3' 3-4' 4-5'	PCB Aroclors

**Spring 2020 Data Collection Points for Hydrodynamic Pre-Design Investigation**



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**Figure 1.**  
 Spring 2020 Data Collection Points for  
 Hydrodynamic Pre-Design Investigation

**Source Area Baseline Groundwater Analytical Summary Table**

					Location ID	GEC-1	GEC-1	GEC-1	GEC-3	GEC-3	GEC-3	GEC-5	GEC-5	GEC-5	GEC-5	GEC-6	GEC-6	GEC-6	GEC-6
					Sample ID	1399447	1399533	1399533	1399445	1399531	1399531	1399451	1399537	1399537	1399441	1399527	1399527	1399527	
					Sample Date	1/13/2020	1/13/2020	1/13/2020	1/13/2020	1/13/2020	1/13/2020	1/21/2020	1/21/2020	1/21/2020	1/21/2020	1/9/2020	1/9/2020	1/9/2020	1/9/2020
					Test Type	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	DILUTION	INITIAL
					Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N
					Sample Class	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF	GWLF
Constituents	Fraction Class	Units	RI GW Protection GB	ROD TABLE L-4 AMMENDED SA GW															
<b>FIELD MEASURE</b>																			
Dissolved Oxygen (field measurement)	N	mg/L			0.19	--	0.19	0.67	--	0.67	0.28	--	0.28	0.29	--	0.29			
Oxidation-Reduction Potential (field measurement)	N	mV			-393.2	--	-393.2	58.6	--	58.6	-153.1	--	-153.1	177.6	--	177.6			
pH (field measurement)	N	SU			6.58	--	6.58	6.96	--	6.96	6.82	--	6.82	6.60	--	6.60			
Specific Conductivity (field measurement)	N	uS/cm			1224	--	1224	1245	--	1245	991	--	991	947	--	947			
Temperature (field measurement)	N	deg C			11.0	--	11.0	12.3	--	12.3	12.0	--	12.0	11.0	--	11.0			
Turbidity (field measurement)	N	NTU			3.00	--	3.00	3.41	--	3.41	6.23	--	6.23	9.37	--	9.37			
<b>SW1668C</b>																			
PCB 001	N	ng/l			--	--	< 0.198 U	--	--	< 0.206 U	--	--	< 0.196 U	--	--	--	0.330		
PCB 002	N	ng/l			--	--	< 0.198 U	--	--	< 0.206 U	--	--	< 0.196 U	--	--	< 0.209 U			
PCB 003	N	ng/l			--	--	< 0.198 U	--	--	< 0.206 U	--	--	< 0.196 U	--	--	< 0.209 U			
PCB 004	N	ng/l			--	--	0.0246 J	--	--	0.0952	--	--	0.160	--	--	0.612			
PCB 005	N	ng/l			--	--	< 0.0396 U	--	--	< 0.0412 U	--	--	< 0.0392 U	--	--	< 0.0418 U			
PCB 006	N	ng/l			--	--	< 0.0396 U	--	--	< 0.0412 U	--	--	< 0.0392 U	--	--	0.0336 J			
PCB 007	N	ng/l			--	--	< 0.0396 U	--	--	< 0.0412 U	--	--	< 0.0392 U	--	--	< 0.0418 U			
PCB 008	N	ng/l			--	--	< 0.0396 U	--	--	0.0154 J	--	--	0.0286 J	--	--	0.0864			
PCB 009	N	ng/l			--	--	< 0.0396 U	--	--	< 0.0412 U	--	--	< 0.0392 U	--	--	0.0166 J			
PCB 010	N	ng/l			--	--	< 0.0396 U	--	--	< 0.0412 U	--	--	< 0.0392 U	--	--	0.0305 J			
PCB 011	N	ng/l			--	--	< 0.297 U	--	--	< 0.309 U	--	--	< 0.294 U	--	--	< 0.313 U			
PCB 012+013	N	ng/l			--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	< 0.0836 U			
PCB 014	N	ng/l			--	--	< 0.0396 U	--	--	< 0.0412 U	--	--	< 0.0392 U	--	--	< 0.0418 U			
PCB 015	N	ng/l			--	--	< 0.0396 U	--	--	< 0.0412 U	--	--	< 0.0392 U	--	--	< 0.0418 U			
PCB 016	N	ng/l			--	--	< 0.0396 U	--	--	0.0105 J	--	--	0.0707	--	--	0.108			
PCB 017	N	ng/l			--	--	< 0.0396 U	--	--	< 0.0412 U	--	--	0.0512	--	--	0.0645			
PCB 018+030	N	ng/l			--	--	< 0.0792 U	--	--	0.0174 J	--	--	0.125	--	--	0.201			
PCB 019	N	ng/l			--	--	< 0.0396 U	--	--	< 0.0412 U	--	--	0.0436	--	--	0.131			
PCB 020+028	N	ng/l			--	--	< 0.0792 U	--	--	0.0169 J	--	--	0.0196 J	--	--	< 0.0836 U			
PCB 021+033	N	ng/l			--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	0.0148 J	--	--	< 0.0836 U			
PCB 022	N	ng/l			--	--	< 0.0396 U	--	--	< 0.0412 U	--	--	0.00930 J	--	--	< 0.0418 U			
PCB 023	N	ng/l			--	--	< 0.0396 U	--	--	< 0.0412 U	--	--	< 0.0392 U	--	--	< 0.0418 U			
PCB 024	N	ng/l			--	--	< 0.0396 U	--	--	< 0.0412 U	--	--	< 0.0392 U	--	--	< 0.0418 U			
PCB 025	N	ng/l			--	--	< 0.0396 U	--	--	< 0.0412 U	--	--	< 0.0392 U	--	--	< 0.0418 U			
PCB 026+029	N	ng/l			--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	< 0.0836 U			
PCB 027	N	ng/l			--	--	< 0.0396 U	--	--	< 0.0412 U	--	--	0.00808 J	--	--	0.0115 J			
PCB 031	N	ng/l			--	--	< 0.0396 U	--	--	< 0.0412 U	--	--	0.0242 J	--	--	< 0.0418 U			
PCB 032	N	ng/l			--	--	< 0.0396 U	--	--	< 0.0412 U	--	--	0.0383 J	--	--	0.0317 J			
PCB 034	N	ng/l			--	--	< 0.0396 U	--	--	< 0.0412 U	--	--	< 0.0392 U	--	--	< 0.0418 U			
PCB 035	N	ng/l			--	--	< 0.0396 U	--	--	< 0.0412 U	--	--	< 0.0392 U	--	--	< 0.0418 U			
PCB 036	N	ng/l			--	--	< 0.0396 U	--	--	< 0.0412 U	--	--	< 0.0392 U	--	--	< 0.0418 U			
PCB 037	N	ng/l			--	--	< 0.0396 U	--	--	< 0.0412 U	--	--	< 0.0392 U	--	--	< 0.0418 U			

Table 1 (Draft)  
 Groundwater Analytical Results - Winter 2020  
 Centre dale Manor Restoration Project Superfund Site  
 North Providence, Rhode Island

					Location ID	GEC-1	GEC-1	GEC-1	GEC-3	GEC-3	GEC-3	GEC-5	GEC-5	GEC-5	GEC-6	GEC-6	GEC-6	GEC-6	
					Sample ID	1399447	1399533	1399533	1399445	1399531	1399531	1399451	1399537	1399537	1399441	1399527	1399527	1399527	
					Sample Date	1/13/2020	1/13/2020	1/13/2020	1/13/2020	1/13/2020	1/13/2020	1/21/2020	1/21/2020	1/21/2020	1/21/2020	1/9/2020	1/9/2020	1/9/2020	1/9/2020
					Test Type	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	DILUTION	INITIAL
					Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N
					Sample Class	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF	GWLF
Constituents	Fraction Class	Units	RI GW Protection GB	ROD TABLE L-4 AMMENDED SA GW															
PCB 042	N	ng/l			--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U		
PCB 043	N	ng/l			--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U		
PCB 044+047+065	N	ng/l			--	--	< 0.238 U	--	--	0.0706 J	--	--	0.149 J	--	--	--	0.0822 J		
PCB 045	N	ng/l			--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	0.0224 J	--	--	--	< 0.0836 U		
PCB 046	N	ng/l			--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	0.0102 J	--	--	--	< 0.0836 U		
PCB 048	N	ng/l			--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U		
PCB 049+069	N	ng/l			--	--	< 0.158 U	--	--	< 0.165 U	--	--	< 0.157 U	--	--	--	< 0.167 U		
PCB 050+53	N	ng/l			--	--	< 0.297 U	--	--	< 0.309 U	--	--	< 0.294 U	--	--	--	< 0.313 U		
PCB 051	N	ng/l			--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U		
PCB 052	N	ng/l			--	--	< 0.0792 U	--	--	0.0429 J	--	--	0.0577 J	--	--	--	0.0574 J		
PCB 054	N	ng/l			--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U		
PCB 055	N	ng/l			--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U		
PCB 056	N	ng/l			--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U		
PCB 057	N	ng/l			--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U		
PCB 058	N	ng/l			--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U		
PCB 059+062+075	N	ng/l			--	--	< 0.238 U	--	--	< 0.247 U	--	--	< 0.235 U	--	--	--	< 0.251 U		
PCB 060	N	ng/l			--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U		
PCB 061+070+074+076	N	ng/l			--	--	< 0.317 U	--	--	< 0.330 U	--	--	< 0.314 U	--	--	--	< 0.334 U		
PCB 063	N	ng/l			--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U		
PCB 064	N	ng/l			--	--	< 0.0792 U	--	--	0.0131 J	--	--	< 0.0784 U	--	--	--	< 0.0836 U		
PCB 066	N	ng/l			--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U		
PCB 067	N	ng/l			--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U		
PCB 068	N	ng/l			--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U		
PCB 072	N	ng/l			--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U		
PCB 073	N	ng/l			--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U		
PCB 077	N	ng/l			--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U		
PCB 078	N	ng/l			--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U		
PCB 079	N	ng/l			--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U		
PCB 080	N	ng/l			--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U		
PCB 081	N	ng/l			--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U		
PCB 082	N	ng/l			--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U		
PCB 083	N	ng/l			--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U		
PCB 084	N	ng/l			--	--	< 0.0792 U	--	--	0.0320 J	--	--	< 0.0784 U	--	--	--	0.0141 J		
PCB 085+116+117	N	ng/l			--	--	< 0.238 U	--	--	< 0.247 U	--	--	< 0.235 U	--	--	--	< 0.251 U		
PCB 086+087+097+109+119+125	N	ng/l			--	--	< 0.475 U	--	--	< 0.495 U	--	--	< 0.471 U	--	--	--	< 0.502 U		
PCB 088	N	ng/l			--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U		
PCB 089	N	ng/l			--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U		
PCB 090+101+113	N	ng/l			--	--	< 0.238 U	--	--	< 0.247 U	--	--	< 0.235 U	--	--	--	< 0.251 U		
PCB 091	N	ng/l			--	--	< 0.0792 U	--	--	0.0136 J	--	--	< 0.0784 U	--	--	--	< 0.0836 U		
PCB 092	N	ng/l			--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U		
PCB 093+100	N	ng/l			--														

					Location ID	GEC-1	GEC-1	GEC-1	GEC-3	GEC-3	GEC-3	GEC-5	GEC-5	GEC-5	GEC-6	GEC-6	GEC-6	GEC-6	
					Sample ID	1399447	1399533	1399533	1399445	1399531	1399531	1399451	1399537	1399537	1399441	1399527	1399527	1399527	
					Sample Date	1/13/2020	1/13/2020	1/13/2020	1/13/2020	1/13/2020	1/13/2020	1/21/2020	1/21/2020	1/21/2020	1/21/2020	1/9/2020	1/9/2020	1/9/2020	1/9/2020
					Test Type	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	DILUTION	INITIAL
					Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N
					Sample Class	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF	GWLF
Constituents	Fraction Class	Units	RI GW Protection GB	ROD TABLE L-4 AMMENDED SA GW															
PCB 098+102	N	ng/l			--	--	< 0.198 U	--	--	< 0.206 U	--	--	< 0.196 U	--	--	--	< 0.209 U		
PCB 099	N	ng/l			--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U		
PCB 103	N	ng/l			--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U		
PCB 104	N	ng/l			--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U		
PCB 105	N	ng/l			--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U		
PCB 106	N	ng/l			--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U		
PCB 107	N	ng/l			--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U		
PCB 108+124	N	ng/l			--	--	< 0.158 U	--	--	< 0.165 U	--	--	< 0.157 U	--	--	--	< 0.167 U		
PCB 110+115	N	ng/l			--	--	< 0.158 U	--	--	0.0691 J	--	--	< 0.157 U	--	--	--	< 0.167 U		
PCB 111	N	ng/l			--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U		
PCB 112	N	ng/l			--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U		
PCB 114	N	ng/l			--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U		
PCB 118	N	ng/l			--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	0.0179 J		
PCB 120	N	ng/l			--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U		
PCB 121	N	ng/l			--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U		
PCB 122	N	ng/l			--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U		
PCB 123	N	ng/l			--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U		
PCB 126	N	ng/l			--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U		
PCB 127	N	ng/l			--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U		
PCB 128+166	N	ng/l			--	--	< 0.158 U	--	--	< 0.165 U	--	--	< 0.157 U	--	--	--	< 0.167 U		
PCB 129+138+163	N	ng/l			--	--	< 0.238 U	--	--	< 0.247 U	--	--	< 0.235 U	--	--	--	< 0.251 U		
PCB 130	N	ng/l			--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U		
PCB 131	N	ng/l			--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U		
PCB 132	N	ng/l			--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U		
PCB 133	N	ng/l			--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U		
PCB 134	N	ng/l			--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U		
PCB 135+151	N	ng/l			--	--	< 0.158 U	--	--	< 0.165 U	--	--	< 0.157 U	--	--	--	< 0.167 U		
PCB 136	N	ng/l			--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U		
PCB 137	N	ng/l			--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U		
PCB 139+140	N	ng/l			--	--	< 0.158 U	--	--	< 0.165 U	--	--	< 0.157 U	--	--	--	< 0.167 U		
PCB 141	N	ng/l			--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U		
PCB 142	N	ng/l			--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U		
PCB 143	N	ng/l			--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U		
PCB 144	N	ng/l			--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U		
PCB 145	N	ng/l			--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U		
PCB 146	N	ng/l			--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U		
PCB 147+149	N	ng/l			--	--	< 0.158 U	--	--	< 0.165 U	--	--	< 0.157 U	--	--	--	< 0.167 U		
PCB 148	N	ng/l			--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U		
PCB 150	N	ng/l			--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U		
PCB 152	N	ng/l			--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U		
PCB 153+168	N	ng/l			--	--	&												

					Location ID	GEC-1	GEC-1	GEC-1	GEC-3	GEC-3	GEC-3	GEC-5	GEC-5	GEC-5	GEC-6	GEC-6	GEC-6	GEC-6	
					Sample ID	1399447	1399533	1399533	1399445	1399531	1399531	1399451	1399537	1399537	1399441	1399527	1399527	1399527	
					Sample Date	1/13/2020	1/13/2020	1/13/2020	1/13/2020	1/13/2020	1/13/2020	1/21/2020	1/21/2020	1/21/2020	1/21/2020	1/9/2020	1/9/2020	1/9/2020	1/9/2020
					Test Type	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	DILUTION	INITIAL
					Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N
					Sample Class	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF	
					Constituents	Fraction Class	Units	RI GW Protection GB	ROD TABLE L-4 AMMENDED SA GW										
PCB 158	N	ng/l				--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U	
PCB 159	N	ng/l				--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U	
PCB 160	N	ng/l				--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U	
PCB 161	N	ng/l				--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U	
PCB 162	N	ng/l				--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U	
PCB 164	N	ng/l				--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U	
PCB 165	N	ng/l				--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U	
PCB 167	N	ng/l				--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U	
PCB 169	N	ng/l				--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U	
PCB 170	N	ng/l				--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U	
PCB 171+173	N	ng/l				--	--	< 0.158 U	--	--	< 0.165 U	--	--	< 0.157 U	--	--	--	< 0.167 U	
PCB 172	N	ng/l				--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U	
PCB 174	N	ng/l				--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U	
PCB 175	N	ng/l				--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U	
PCB 176	N	ng/l				--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U	
PCB 177	N	ng/l				--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U	
PCB 178	N	ng/l				--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U	
PCB 179	N	ng/l				--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U	
PCB 180+193	N	ng/l				--	--	< 0.158 U	--	--	< 0.165 U	--	--	< 0.157 U	--	--	--	< 0.167 U	
PCB 181	N	ng/l				--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U	
PCB 182	N	ng/l				--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U	
PCB 183+185	N	ng/l				--	--	< 0.158 U	--	--	< 0.165 U	--	--	< 0.157 U	--	--	--	< 0.167 U	
PCB 184	N	ng/l				--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U	
PCB 186	N	ng/l				--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U	
PCB 187	N	ng/l				--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U	
PCB 188	N	ng/l				--	--	< 0.198 U	--	--	< 0.206 U	--	--	< 0.196 U	--	--	--	< 0.209 U	
PCB 189	N	ng/l				--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U	
PCB 190	N	ng/l				--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U	
PCB 191	N	ng/l				--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U	
PCB 192	N	ng/l				--	--	< 0.0792 U	--	--	< 0.0825 U	--	--	< 0.0784 U	--	--	--	< 0.0836 U	
PCB 194	N	ng/l				--	--	< 0.119 U	--	--	< 0.124 U	--	--	< 0.118 U	--	--	--	< 0.125 U	
PCB 195	N	ng/l				--	--	< 0.119 U	--	--	< 0.124 U	--	--	< 0.118 U	--	--	--	< 0.125 U	
PCB 196	N	ng/l				--	--	< 0.119 U	--	--	< 0.124 U	--	--	< 0.118 U	--	--	--	< 0.125 U	
PCB 197+200	N	ng/l				--	--	< 0.238 U	--	--	< 0.247 U	--	--	< 0.235 U	--	--	--	< 0.251 U	
PCB 198+199	N	ng/l				--	--	< 0.238 U	--	--	< 0.247 U	--	--	< 0.235 U	--	--	--	< 0.251 U	
PCB 201	N	ng/l				--	--	< 0.396 U	--	--	< 0.412 U	--	--	< 0.392 U	--	--	--	< 0.418 U	
PCB 202	N	ng/l				--	--	< 0.119 U	--	--	< 0.124 U	--	--	< 0.118 U	--	--	--	< 0.125 U	
PCB 203	N	ng/l				--	--	< 0.119 U	--	--	< 0.124 U	--	--	< 0.118 U	--	--	--	< 0.125 U	
PCB 204	N	ng/l				--	--	< 0.119 U	--	--	< 0.124 U	--	--	< 0.118 U	--	--	--	< 0.125 U	
PCB 205	N	ng																	

Table 1 (Draft)  
 Groundwater Analytical Results - Winter 2020  
 Centre dale Manor Restoration Project Superfund Site  
 North Providence, Rhode Island

					Location ID	GEC-1	GEC-1	GEC-1	GEC-3	GEC-3	GEC-3	GEC-5	GEC-5	GEC-5	GEC-6	GEC-6	GEC-6	GEC-6	
					Sample ID	1399447	1399533	1399533	1399445	1399531	1399531	1399451	1399537	1399537	1399441	1399527	1399527	1399527	
					Sample Date	1/13/2020	1/13/2020	1/13/2020	1/13/2020	1/13/2020	1/13/2020	1/21/2020	1/21/2020	1/21/2020	1/21/2020	1/9/2020	1/9/2020	1/9/2020	1/9/2020
					Test Type	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	DILUTION	INITIAL
					Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N
					Sample Class	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF	GWLF
Constituents	Fraction Class	Units	RI GW Protection GB	ROD TABLE L-4 AMMENDED SA GW															
Toxicity Equivalent - Bird (PCBs)	N	ng/l			--	--	< 0 U	--	--	< 0 U	--	--	< 0 U	--	--	--	--	0.000000179	
Toxicity Equivalent - Fish (PCBs)	N	ng/l			--	--	< 0 U	--	--	< 0 U	--	--	< 0 U	--	--	--	--	0.0000000895	
Toxicity Equivalent (PCBs)	N	ng/l			--	--	< 0 U	--	--	< 0 U	--	--	< 0 U	--	--	--	--	0.000000537	
SW6010C																			
Aluminum [Al]	T	mg/L			--	--	< 0.10	--	--	< 0.10	--	--	< 0.10	--	--	--	--	< 0.10	
Barium [Ba]	T	mg/L			--	--	0.139	--	--	0.075	--	--	0.043	--	--	--	--	0.055	
Beryllium [Be]	T	mg/L			--	--	< 0.001	--	--	< 0.001	--	--	< 0.001	--	--	--	--	< 0.001	
Calcium [Ca]	T	mg/L			--	--	40.6	--	--	58.9	--	--	42.8	--	--	--	--	39.6	
Chromium, Total	T	mg/L			--	--	< 0.005	--	--	< 0.005	--	--	< 0.005	--	--	--	--	< 0.005	
Cobalt [Co]	T	mg/L			--	--	< 0.010	--	--	< 0.010	--	--	< 0.010	--	--	--	--	< 0.010	
Copper [Cu]	T	mg/L			--	--	< 0.005	--	--	< 0.005	--	--	< 0.005	--	--	--	--	< 0.005	
Iron [Fe]	T	mg/L			--	--	6.83	--	--	1.14	--	--	5.78	--	--	--	--	0.333	
Magnesium [Mg]	T	mg/L			--	--	3.00	--	--	3.90	--	--	3.84	--	--	--	--	3.70	
Manganese [Mn]	T	mg/L			--	2.42	2.30 H	--	--	0.443	--	--	1.89	1.89 H	--	4.22	4.15 H		
Potassium [K]	T	mg/L			--	--	5.34	--	--	6.69	--	--	5.59	--	--	--	--	5.20	
Sodium [Na]	T	mg/L			--	191	172 H	--	198	187 H	--	152	144 H	--	135	130 H			
Vanadium [V]	T	mg/L			--	--	0.008	--	--	< 0.005	--	--	< 0.005	--	--	--	--	0.012	
Zinc [Zn]	T	mg/L			--	--	0.023	--	--	< 0.010	--	--	< 0.010	--	--	--	--	< 0.010	
SW6020B																			
Antimony [Sb]	T	mg/L			--	--	< 0.0010	--	--	< 0.0010	--	--	< 0.0010	--	--	--	--	< 0.0010	
Arsenic [As]	T	mg/L			--	--	< 0.0010	--	--	0.0013	--	--	0.0037	--	--	--	--	< 0.0010	
Cadmium [Cd]	T	mg/L			--	--	0.0001	--	--	0.0002	--	--	< 0.0001	--	--	--	--	0.0044	
Lead [Pb]	T	mg/L			--	--	< 0.0010	--	--	< 0.0010	--	--	< 0.0010	--	--	--	--	< 0.0010	
Nickel [Ni]	T	mg/L			--	--	< 0.001	--	--	0.002	--	--	0.001	--	0.124	0.127 H			
Selenium [Se]	T	mg/L			--	--	< 0.001	--	--	< 0.001	--	--	< 0.001	--	--	--	--	< 0.001	
Silver [Ag]	T	mg/L			--	--	< 0.0005	--	--	< 0.0005	--	--	< 0.0005	--	--	--	--	< 0.0005	
Thallium [Tl]	T	mg/L			--	--	< 0.0010	--	--	< 0.0010	--	--	< 0.0010	--	--	--	--	< 0.0010	
SW7470A																			
Mercury [Hg]	T	mg/L			--	--	< 0.0002	--	--	< 0.0002	--	--	< 0.0002	--	--	--	--	< 0.0002	
SW8015C																			
TPH C8-C40	N	ug/L			--	--	< 610 U	--	--	< 670 U	--	--	< 660 U	--	--	--	--	< 2400 U	
SW8081B																			
4,4-DDD	N	ug/L			--	--	< 0.020 U	--	--	< 0.020 U	--	--	< 0.024 U	--	--	--	--	< 0.022 U	
4,4-DDE	N	ug/L			--	--	< 0.020 U	--	--	< 0.020 U	--	--	< 0.024 U	--	--	--	--	< 0.022 U	
4,4-DDT	N	ug/L			--	--	< 0.020 U	--	--	< 0.020 U	--	--	< 0.024 U	--	--	--	--	< 0.022 U	
Aldrin	N	ug/L			--	--	< 0.010 U	--	--	< 0.010 U	--	--	< 0.012 U	--	--	--	--	< 0.011 U	
Alpha Endosulfan (Endosulfan I)	N	ug/L			--	--	< 0.010 U	--	--	< 0.010 U	--	--	< 0.012 U	--	--	--	--	< 0.011 U	
Alpha Hexachlorocyclohexane (Alpha-BHC)	N	ug/L			--	--	< 0.010 U	--	--	< 0.010 U	--	--	< 0.012 U	--	--	--	--	< 0.011 U	
Alpha-Chlordane (cis-Chlordane)	N	ug/L			--	--	< 0.010 U	--	--	< 0.010 U	--	--	< 0.012 U	--	--	--	--	< 0.011 U	
Beta Endosulfan (Endosulfan II)	N	ug/L			--	--	< 0.040 U	--	--	< 0.041 U	--	--	< 0.049 U	--	--	--	--	< 0.043 U	
Beta Hexachlorocyclohexane (Beta-BHC)	N	ug/L			--	--	< 0.010 U	--	--	< 0.010 U	--	--	< 0.012 U	--	--	--	--	< 0.011 U	
Beta-Chlordane (trans-Chlordane)	N	ug/L			--	--	< 0.030 U	--	--	< 0.030 U	--	--	< 0.037 U	--	--	--	--	< 0.033 U	
Chlordane	N	ug/L			--	--	< 0.50 U	--	--	< 0.51 U	--	--	< 0.61 U	--	--	--	--	< 0.54 U	
Delta Hexachlorocyclohexane (Delta-BHC)	N	ug/L			--	--	< 0.010 U	--	--	< 0.010 U	--	--							

					Location ID	GEC-1	GEC-1	GEC-1	GEC-3	GEC-3	GEC-3	GEC-5	GEC-5	GEC-5	GEC-6	GEC-6	GEC-6	GEC-6
					Sample ID	1399447	1399533	1399533	1399445	1399531	1399531	1399451	1399537	1399537	1399441	1399527	1399527	
					Sample Date	1/13/2020	1/13/2020	1/13/2020	1/13/2020	1/13/2020	1/13/2020	1/21/2020	1/21/2020	1/21/2020	1/9/2020	1/9/2020	1/9/2020	
					Test Type	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	
					Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	
					Sample Class	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF	GWLF	
Constituents	Fraction Class	Units	RI GW Protection GB	ROD TABLE L-4 AMMENDED SA GW														
Dieldrin	N	ug/L			--	--	< 0.020 U	--	--	< 0.020 U	--	--	< 0.024 U	--	--	< 0.022 U		
Endosulfan Sulfate	N	ug/L			--	--	< 0.020 U	--	--	< 0.020 U	--	--	< 0.024 U	--	--	< 0.022 U		
Endrin	N	ug/L			--	--	< 0.030 U	--	--	< 0.030 U	--	--	< 0.037 U	--	--	< 0.033 U		
Endrin Aldehyde	N	ug/L			--	--	< 0.10 U	--	--	< 0.10 U	--	--	< 0.12 U	--	--	< 0.11 U		
Endrin Ketone	N	ug/L			--	--	< 0.020 U	--	--	< 0.020 U	--	--	< 0.024 U	--	--	< 0.022 UV		
Gamma-BHC (Lindane)	N	ug/L			--	--	< 0.010 U	--	--	< 0.010 U	--	--	< 0.012 U	--	--	< 0.011 U		
Heptachlor	N	ug/L			--	--	< 0.010 U	--	--	< 0.010 U	--	--	< 0.012 U	--	--	< 0.011 U		
Heptachlor Epoxide	N	ug/L			--	--	< 0.010 U	--	--	< 0.010 U	--	--	< 0.012 U	--	--	< 0.011 U		
Methoxychlor	N	ug/L			--	--	< 0.10 U	--	--	< 0.10 U	--	--	< 0.12 U	--	--	< 0.11 U		
Toxaphene	N	ug/L			--	--	< 1.0 U	--	--	< 1.0 U	--	--	< 1.2 U	--	--	< 1.1 U		
SW8082A																		
Aroclor 1016	N	ug/L			--	--	< 0.250 U	--	--	< 0.250 U	--	--	< 0.250 U	--	--	< 0.250 U		
Aroclor 1221	N	ug/L			--	--	< 0.250 U	--	--	< 0.250 U	--	--	< 0.250 U	--	--	< 0.250 U		
Aroclor 1232	N	ug/L			--	--	< 0.250 U	--	--	< 0.250 U	--	--	< 0.250 U	--	--	< 0.250 U		
Aroclor 1242	N	ug/L			--	--	< 0.250 U	--	--	< 0.250 U	--	--	< 0.250 U	--	--	< 0.250 U		
Aroclor 1248	N	ug/L			--	--	< 0.250 U	--	--	< 0.250 U	--	--	< 0.250 U	--	--	< 0.250 U		
Aroclor 1254	N	ug/L			--	--	< 0.250 U	--	--	< 0.250 U	--	--	< 0.250 U	--	--	< 0.250 U		
Aroclor 1260	N	ug/L			--	--	< 0.250 U	--	--	< 0.250 U	--	--	< 0.250 U	--	--	< 0.250 U		
Aroclor 1262	N	ug/L			--	--	< 0.250 U	--	--	< 0.250 U	--	--	< 0.250 U	--	--	< 0.250 U		
Aroclor 1268	N	ug/L			--	--	< 0.250 U	--	--	< 0.250 U	--	--	< 0.250 U	--	--	< 0.250 U		
PCBs, Total	N	ug/L			--	--	< 0.250 U	--	--	< 0.250 U	--	--	< 0.250 U	--	--	< 0.250 U		
SW8260C																		
1,1,1,2-Tetrachloroethane	N	ug/L			< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U		
1,1,1-Trichloroethane	N	ug/L	3100		< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U		
1,1,2,2-Tetrachloroethane	N	ug/L			< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	N	ug/L			< 10 U	--	< 10 U	< 10 U	--	< 10 U	< 10 U	--	< 10 U	< 10 U	--	< 10 U		
1,1,2-Trichloroethane	N	ug/L			< 0.75 U	--	< 0.75 U	< 0.75 U	--	< 0.75 U	< 0.75 U	--	< 0.75 U	< 0.75 U	--	< 0.75 U		
1,1-Dichloroethane	N	ug/L			< 0.75 U	--	< 0.75 U	< 0.75 U	--	< 0.75 U	< 0.75 U	--	< 0.75 U	< 0.75 U	--	< 0.75 U		
1,1-Dichloroethylene	N	ug/L	7		< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U		
1,1-Dichloropropene	N	ug/L			< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U		
1,2,3-Trichlorobenzene	N	ug/L			< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U		
1,2,3-Trichloropropane	N	ug/L			< 5.0 U	--	< 5.0 U	< 5.0 U	--	< 5.0 U	< 5.0 U	--	< 5.0 U	< 5.0 U	--	< 5.0 U		
1,2,4-Trichlorobenzene	N	ug/L			< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U		
1,2,4-Trimethylbenzene	N	ug/L			< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U		
1,2-Dibromo-3-chloropropane	N	ug/L	2	2	< 2.0 U	--	< 2.0 U	< 2.0 U	--	< 2.0 U	< 2.0 U	--	< 2.0 U	< 2.0 U	--	< 2.0 U		
1,2-Dichlorobenzene	N	ug/L			< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U		
1,2-Dichloroethane	N	ug/L	110		< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U		
1,2-Dichloropropane	N	ug/L	3000		< 1.8 U	--	< 1.8 U	< 1.8 U	--	< 1.8 U	< 1.8 U	--	< 1.8 U	< 1.8 U	--	< 1.8 U		
1,3,5-Trimethylbenzene	N	ug/L			< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U		
1,3-Dichlorobenzene	N	ug/L			< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U		
1,3-Dichloropropane	N	ug/L			< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U	&							

					Location ID	GEC-1	GEC-1	GEC-1	GEC-3	GEC-3	GEC-3	GEC-5	GEC-5	GEC-5	GEC-5	GEC-6	GEC-6	GEC-6	GEC-6
					Sample ID	1399447	1399533	1399533	1399445	1399531	1399531	1399451	1399537	1399537	1399441	1399527	1399527	1399527	
					Sample Date	1/13/2020	1/13/2020	1/13/2020	1/13/2020	1/13/2020	1/13/2020	1/21/2020	1/21/2020	1/21/2020	1/21/2020	1/9/2020	1/9/2020	1/9/2020	1/9/2020
					Test Type	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	DILUTION	INITIAL
					Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N
					Sample Class	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF	GWLF
Constituents	Fraction Class	Units	RI GW Protection GB	ROD TABLE L-4 AMMENDED SA GW															
2-Chlorotoluene	N	ug/L			< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U			
2-Hexanone	N	ug/L			< 5.0 U	--	< 5.0 U	< 5.0 U	--	< 5.0 U	< 5.0 U	--	< 5.0 U	< 5.0 U	--	< 5.0 U			
4-Chlorotoluene	N	ug/L			< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U			
4-Isopropyltoluene (p-Cymene)	N	ug/L			< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U			
Acetone	N	ug/L			< 5.0 U	--	< 5.0 U	< 5.0 U	--	< 5.0 U	< 5.0 U	--	< 5.0 U	< 5.0 U	--	< 5.0 U			
Acrylonitrile	N	ug/L			< 5.0 U	--	< 5.0 U	< 5.0 U	--	< 5.0 U	< 5.0 U	--	< 5.0 U	< 5.0 U	--	< 5.0 U			
Benzene	N	ug/L	140		< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	
Bromobenzene	N	ug/L			< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U	--	
Bromodichloromethane	N	ug/L			< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	
Bromoform	N	ug/L			< 2.0 U	--	< 2.0 U	< 2.0 U	--	< 2.0 U	< 2.0 U	--	< 2.0 U	< 2.0 U	--	< 2.0 U	< 2.0 U	--	
Bromomethane	N	ug/L			< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U	< 1.0 U	--	
Carbon Disulfide	N	ug/L			< 5.0 U	--	< 5.0 U	< 5.0 U	--	< 5.0 U	< 5.0 U	--	< 5.0 U	< 5.0 U	--	< 5.0 U	< 5.0 U	--	
Carbon Tetrachloride	N	ug/L	70		< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	
Chlorobenzene	N	ug/L	3200		< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	0.70	--	
Chloroethane	N	ug/L			< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U	< 1.0 U	--	
Chloroform	N	ug/L			< 0.75 U	--	< 0.75 U	< 0.75 U	--	< 0.75 U	< 0.75 U	--	< 0.75 U	< 0.75 U	--	< 0.75 U	< 0.75 U	--	
Chloromethane	N	ug/L			< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U	--	
cis-1,2-Dichloroethylene	N	ug/L	2400		< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	24	--	26	< 0.50 U	--	< 0.50 U			
cis-1,3-Dichloropropene	N	ug/L			< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	
Dibromochloromethane	N	ug/L			< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	
Dibromomethane	N	ug/L			< 5.0 U	--	< 5.0 U	< 5.0 U	--	< 5.0 U	< 5.0 U	--	< 5.0 U	< 5.0 U	--	< 5.0 U	< 5.0 U	--	
Dichlorodifluoromethane	N	ug/L			< 5.0 U	--	< 5.0 U	< 5.0 U	--	< 5.0 U	< 5.0 U	--	< 5.0 U	< 5.0 U	--	< 5.0 U	< 5.0 U	--	
Ethylbenzene	N	ug/L	1600		< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	
Ethylene Dibromide (EDB)	N	ug/L			< 2.0 U	--	< 2.0 U	< 2.0 U	--	< 2.0 U	< 2.0 U	--	< 2.0 U	< 2.0 U	--	< 2.0 U	< 2.0 U	--	
Hexachlorobutadiene	N	ug/L			< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	
Isopropylbenzene (cumene)	N	ug/L			< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	
Methyl Isobutyl Ketone (MIBK)	N	ug/L			< 5.0 U	--	< 5.0 U	< 5.0 U	--	< 5.0 U	< 5.0 U	--	< 5.0 U	< 5.0 U	--	< 5.0 U	< 5.0 U	--	
Methyl tert-Butyl Ether (MTBE)	N	ug/L	5000		< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U	1.7	--	1.8	< 1.0 U	--	< 1.0 U	< 1.0 U	--	
Methylene Chloride	N	ug/L			< 3.0 U	--	< 3.0 U	< 3.0 U	--	< 3.0 U	< 3.0 U	--	< 3.0 U	< 3.0 U	--	< 3.0 U	< 3.0 U	--	
Naphthalene	N	ug/L			< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U	--	
n-Butylbenzene	N	ug/L			< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	
n-Propylbenzene	N	ug/L			< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	
sec-Butylbenzene	N	ug/L			< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	
Styrene																			

					Location ID	GEC-1	GEC-1	GEC-1	GEC-3	GEC-3	GEC-3	GEC-5	GEC-5	GEC-5	GEC-5	GEC-6	GEC-6	GEC-6	GEC-6
					Sample ID	1399447	1399533	1399533	1399445	1399531	1399531	1399451	1399537	1399537	1399441	1399527	1399527	1399527	
					Sample Date	1/13/2020	1/13/2020	1/13/2020	1/13/2020	1/13/2020	1/13/2020	1/21/2020	1/21/2020	1/21/2020	1/21/2020	1/9/2020	1/9/2020	1/9/2020	1/9/2020
					Test Type	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	DILUTION	INITIAL
					Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N
					Sample Class	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF	GWLF
Constituents	Fraction Class	Units	RI GW Protection GB	ROD TABLE L-4 AMMENDED SA GW															
Xylene, o-	N	ug/L			< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U			
Xylenes, m- & p-	N	ug/L			< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U			
Xylenes, Total	N	ug/L			< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U			
SW8270D																			
1,1-Biphenyl (1,1-Diphenyl)	N	ug/L			--	--	< 11 U	--	--	< 11 U	--	--	< 11 U	--	--	--	< 11 U		
1,2,4,5-Tetrachlorobenzene	N	ug/L			--	--	< 2 U	--	--	< 2 U	--	--	< 2 U	--	--	--	< 2 U		
1,2,4-Trichlorobenzene	N	ug/L			--	--	< 2 U	--	--	< 2 U	--	--	< 2 U	--	--	--	< 2 U		
2,4,5-Trichlorophenol	N	ug/L			--	--	< 2 U	--	--	< 2 U	--	--	< 2 U	--	--	--	< 2 U		
2,4,6-Trichlorophenol	N	ug/L			--	--	< 2 U	--	--	< 2 U	--	--	< 2 U	--	--	--	< 2 U		
2,4-Dichlorophenol	N	ug/L			--	--	< 2 U	--	--	< 2 U	--	--	< 2 U	--	--	--	< 2 U		
2,4-Dimethylphenol	N	ug/L			--	--	< 11 U	--	--	< 11 U	--	--	< 11 U	--	--	--	< 11 U		
2,4-Dinitrophenol	N	ug/L			--	--	< 32 U	--	--	< 34 U	--	--	< 32 U	--	--	--	< 33 U		
2,4-Dinitrotoluene	N	ug/L			--	--	< 5 U	--	--	< 6 U	--	--	< 5 U	--	--	--	< 6 U		
2,6-Dinitrotoluene	N	ug/L			--	--	< 2 U	--	--	< 2 U	--	--	< 2 U	--	--	--	< 2 U		
2-Chloronaphthalene	N	ug/L			--	--	< 1 U	--	--	< 1 U	--	--	< 1 U	--	--	--	< 1 U		
2-Chlorophenol	N	ug/L			--	--	< 2 U	--	--	< 2 U	--	--	< 2 U	--	--	--	< 2 U		
2-Methyl-4,6-Dinitrophenol	N	ug/L			--	--	< 23 U	--	--	< 24 U	--	--	< 23 U	--	--	--	< 23 U		
2-Methylnaphthalene	N	ug/L			--	--	< 0.5 U	--	--	< 0.6 U	--	--	< 0.5 U	--	--	--	< 0.6 U		
2-Methylphenol (o-Cresol)	N	ug/L			--	--	< 2 U	--	--	< 2 U	--	--	< 2 U	--	--	--	< 2 U		
2-Nitroaniline	N	ug/L			--	--	< 8 U	--	--	< 8 U	--	--	< 8 U	--	--	--	< 8 U		
2-Nitrophenol	N	ug/L			--	--	< 11 U	--	--	< 11 U	--	--	< 11 U	--	--	--	< 11 U		
3,3-Dichlorobenzidine	N	ug/L			--	--	< 11 U	--	--	< 11 U	--	--	< 11 U	--	--	--	< 11 U		
3-Nitroaniline	N	ug/L			--	--	< 8 U	--	--	< 8 U	--	--	< 8 U	--	--	--	< 8 U		
4-Bromophenyl-phenyl ether	N	ug/L			--	--	< 2 U	--	--	< 2 U	--	--	< 2 U	--	--	--	< 2 U		
4-Chloro-3-methylphenol	N	ug/L			--	--	< 2 U	--	--	< 2 U	--	--	< 4 U	--	--	--	< 2 U		
4-Chloroaniline	N	ug/L			--	--	< 11 U	--	--	< 11 U	--	--	< 11 U	--	--	--	< 11 U		
4-Chlorophenyl-phenyl ether	N	ug/L			--	--	< 2 U	--	--	< 2 U	--	--	< 2 U	--	--	--	< 2 U		
4-Nitroaniline	N	ug/L			--	--	< 3 U	--	--	< 3 U	--	--	< 3 U	--	--	--	< 3 U		
4-Nitrophenol	N	ug/L			--	--	< 32 U	--	--	< 34 U	--	--	< 32 U	--	--	--	< 33 U		
Acenaphthene	N	ug/L			--	--	< 0.5 U	--	--	< 0.6 U	--	--	< 0.5 U	--	--	--	< 0.6 U		
Acenaphthylene	N	ug/L			--	--	< 0.5 U	--	--	< 0.6 U	--	--	< 0.5 U	--	--	--	< 0.6 U		
Anthracene	N	ug/L			--	--	< 0.5 U	--	--	< 0.6 U	--	--	< 0.5 U	--	--	--	< 0.6 U		
Benzo(a)anthracene	N	ug/L			--	--	< 0.5 U	--	--	< 0.6 U	--	--	< 0.5 U	--	--	--	< 0.6 U		
Benzo(a)pyrene	N	ug/L			--	--	< 0.5 U	--	--	< 0.6 U	--	--	< 0.5 U	--	--	--	< 0.6 U		
Benzo(b)fluoranthene	N	ug/L			--	--	< 0.5 U	--	--	< 0.6 U	--	--	< 0.5 U	--	--	--	< 0.6 U		
Benzo(g,h,i)perylene	N	ug/L			--	--	< 0.5 U	--	--	< 0.6 U	--	--	< 0.5 U	--	--	--	< 0.6 U		
Benzo(k)fluoranthene	N	ug/L			--	--	< 0.5 U	--	--	< 0.6 U	--	--	< 0.5 U	--	--	--	< 0.6 U		
bis (2-Chloroethyl) ether	N	ug/L			--	--	< 2 U	--	--	< 2 U	--	--	< 2 U	--	--	--	< 2 U		
bis(2-Chloroethoxy)methane	N	ug/L			--	--	< 2 U	--	--	< 2 U	--	--	< 2 U	--	--	--	< 2 U		
bis(2-Chloroisopropyl)ether	N	ug/L			--	--	< 2 U	--	--	< 2 U	--	--	< 2 U	--	--	--	< 2 U		
bis(2-ethylhexyl) Phthalate	N	ug/L			--	--	< 12 U	--	--	< 12 U	--	--	< 12 U	--	--	--	< 12 U		
Butyl Benzyl Phthalate	N	ug/L			--	--	< 5 U	--	--	< 6 U	--	--	< 5 U	--	--	--	< 6 U		
Carbazole	N	ug/L			--	--	< 2 U	--	--	< 2 U	--	--	< 2 U	--	--	--	< 2 U		
Chrysene	N	ug/L			--</td														

					Location ID	GEC-1	GEC-1	GEC-1	GEC-3	GEC-3	GEC-3	GEC-5	GEC-5	GEC-5	GEC-6	GEC-6	GEC-6	GEC-6	
					Sample ID	1399447	1399533	1399533	1399445	1399531	1399531	1399451	1399537	1399537	1399441	1399527	1399527	1399527	
					Sample Date	1/13/2020	1/13/2020	1/13/2020	1/13/2020	1/13/2020	1/13/2020	1/21/2020	1/21/2020	1/21/2020	1/21/2020	1/9/2020	1/9/2020	1/9/2020	1/9/2020
					Test Type	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	DILUTION	INITIAL
					Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N
					Sample Class	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF	GWLF
Constituents	Fraction Class	Units	RI GW Protection GB	ROD TABLE L-4 AMMENDED SA GW															
Dibenzo(a,h)anthracene	N	ug/L			--	--	< 0.5 U	--	--	< 0.6 U	--	--	< 0.5 U	--	--	< 0.6 U			
Dibenzofuran	N	ug/L			--	--	< 2 U	--	--	< 2 U	--	--	< 2 U	--	--	< 2 U			
Diethyl Phthalate	N	ug/L			--	--	< 5 U	--	--	< 6 U	--	--	< 5 U	--	--	< 6 U			
Dimethyl Phthalate	N	ug/L			--	--	< 5 U	--	--	< 6 U	--	--	< 5 U	--	--	< 6 U			
Di-n-butyl Phthalate	N	ug/L			--	--	< 5 U	--	--	< 6 U	--	--	< 5 U	--	--	< 6 U			
Di-n-octyl Phthalate	N	ug/L			--	--	< 12 U	--	--	< 12 U	--	--	< 12 U	--	--	< 12 U			
Fluoranthene	N	ug/L			--	--	0.1 J	--	--	< 0.6 U	--	--	< 0.5 U	--	--	< 0.6 U			
Fluorene	N	ug/L			--	--	< 0.5 U	--	--	< 0.6 U	--	--	< 0.5 U	--	--	< 0.6 U			
Hexachlorobenzene	N	ug/L			--	--	< 0.5 U	--	--	< 0.6 U	--	--	< 0.5 U	--	--	< 0.6 U			
Hexachlorobutadiene	N	ug/L			--	--	< 2 U	--	--	< 2 U	--	--	< 2 U	--	--	< 2 U			
Hexachlorocyclopentadiene	N	ug/L			--	--	< 12 U	--	--	< 12 U	--	--	< 12 U	--	--	< 12 U			
Hexachloroethane	N	ug/L			--	--	< 5 U	--	--	< 6 U	--	--	< 5 U	--	--	< 6 U			
Indeno(1,2,3-c,d)pyrene	N	ug/L			--	--	< 0.5 U	--	--	< 0.6 U	--	--	< 0.5 U	--	--	< 0.6 U			
Isophorone	N	ug/L			--	--	< 2 U	--	--	< 2 U	--	--	< 2 U	--	--	< 2 U			
m- & p- Cresol	N	ug/L			--	--	< 2 U	--	--	< 2 U	--	--	< 2 U	--	--	< 2 U			
Naphthalene	N	ug/L			--	--	< 0.5 U	--	--	< 0.6 U	--	--	< 0.5 U	--	--	< 0.6 U			
Nitrobenzene	N	ug/L			--	--	< 2 U	--	--	< 2 U	--	--	< 2 U	--	--	< 2 U			
n-Nitroso-di-n-propylamine	N	ug/L			--	--	< 3 U	--	--	< 3 U	--	--	< 3 U	--	--	< 3 U			
n-Nitrosodiphenylamine	N	ug/L			--	--	< 3 U	--	--	< 3 U	--	--	< 3 U	--	--	< 3 U			
Pentachloronitrobenzene	N	ug/L			--	--	< 5 U	--	--	< 6 U	--	--	< 5 U	--	--	< 6 U			
Pentachlorophenol	N	ug/L			--	--	< 5 U	--	--	< 6 U	--	--	< 5 U	--	--	< 6 U			
Phenanthrone	N	ug/L			--	--	< 0.5 U	--	--	< 0.6 U	--	--	< 0.5 U	--	--	< 0.6 U			
Phenol	N	ug/L			--	--	< 2 U	--	--	< 2 U	--	--	< 2 U	--	--	< 2 U			
Pyrene	N	ug/L			--	--	< 0.5 U	--	--	< 0.6 U	--	--	< 0.5 U	--	--	< 0.6 U			
SW8290A																			
1234678-HpCDD	N	pg/l			--	--	2.16 JBQ	--	--	2.23 JBQ	--	--	1.84 JBQ	--	--	1.08 JBQ			
1234678-HpCDF	N	pg/l			--	--	0.904 JBQ	--	--	1.43 JB	--	--	0.760 JBQ	--	--	0.302 JBQ			
1234789-HpCDF	N	pg/l			--	--	0.534 JBQ	--	--	2.17 JBQ	--	--	1.20 JBQ	--	--	0.159 JBQ			
123478-HxCDD	N	pg/l			--	--	0.338 JBQ	--	--	1.96 JBQ	--	--	< 27.3 U	--	--	0.190 JBQ			
123478-HxCDF	N	pg/l			--	--	0.173 JB	--	--	1.23 JBQ	--	--	0.162 JBQ	--	--	< 25.6 U			
123678-HxCDD	N	pg/l			--	--	< 25.3 U	--	--	0.684 JBQ	--	--	0.224 JBQ	--	--	0.247 JBQ			
123678-HxCDF	N	pg/l			--	--	0.145 JBQ	--	--	0.478 JBQ	--	--	0.567 JBQ	--	--	< 25.6 U			
123789-HxCDD	N	pg/l			--	--	0.386 JBQ	--	--	1.14 JBQ	--	--	0.513 JBQ	--	--	0.239 JBQ			
123789-HxCDF	N	pg/l			--	--	0.530 JBQ	--	--	1.56 JBQ	--	--	0.422 JBQ	--	--	< 25.6 U			
12378-PeCDD	N	pg/l			--	--	< 25.3 U	--	--	1.16 JBQ	--	--	0.442 JBQ	--	--	5.76 JB			
12378-PeCDF	N	pg/l			--	--	< 25.3 U	--	--	0.492 JBQ	--	--	0.554 JBQ	--	--	0.608 JBQ			
234678-HxCDF	N	pg/l			--	--	0.380 JB	--	--	1.01 JB	--	--	0.444 JB	--	--	0.403 JBQ			
23478-PeCDF	N	pg/l			--	--	0.321 JBQ	--	--	0.611 JB	--	--	< 27.3 U	--	--	0.217 JBQ			
2378-TCDD	N	pg/l		1800	--	--	< 5.06 U	--	--	0.732 JB	--	--	0.701 JBQ	--	--	2.58 JBQ			
2378-TCDF	N	pg/l			--	--	0.210 JBQ	--	--	0.840 JBQ	--	--	0.480 JBQ	--	--	< 5.13 U			
OCDD	N	pg/l			--	--	7.47 JBQ	--	--	2.58 JB	--	--	3.42 JBQ	--	--	1.94 JBQ			
OCDF	N	pg/l			--	--	1.09 JBQ	--	--	0.905 JBQ	--	--	1.77 JBQ	--	--	0.356 JBQ			
Toxicity Equivalent	N	pg/l			--	--	0.351	--	--	3.04	--	--	1.48	--	--	8.55			
Toxicity Equivalent-Bird	N	pg/l			--	--	0.726	--	--	4.07	--	--	1.91	--	--	8.71			

**Draft**

Table 1 (Draft)  
 Groundwater Analytical Results - Winter 2020  
 Centre dale Manor Restoration Project Superfund Site  
 North Providence, Rhode Island

					GEC-1	GEC-1	GEC-1	GEC-3	GEC-3	GEC-3	GEC-5	GEC-5	GEC-5	GEC-6	GEC-6	GEC-6	
					Sample ID	1399447	1399533	1399533	1399445	1399531	1399531	1399451	1399537	1399537	1399441	1399527	1399527
					Sample Date	1/13/2020	1/13/2020	1/13/2020	1/13/2020	1/13/2020	1/13/2020	1/21/2020	1/21/2020	1/21/2020	1/9/2020	1/9/2020	1/9/2020
					Test Type	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL
					Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
					Sample Class	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF	GWLF
Constituents	Fraction Class	Units	<b>RI GW Protection GB</b>	ROD TABLE L-4 AMMENDED SA GW													
Toxicity Equivalent-Fish	N	pg/l			--	--	0.484	--	--	3.72	--	--	1.38	--	--	8.63	

					Location ID	MW-01S	MW-01S	MW-01S	MW-02D	MW-02D	MW-02D	MW-03S	MW-03S	MW-03S	MW-04B	MW-04B	MW-04B	MW-04B
					Sample ID	1399452	1399538	1399538	1399459	1399536	1399536	1399456	1399540	1399540	1399460	1399460	1399545	1399545
					Sample Date	1/21/2020	1/21/2020	1/21/2020	1/23/2020	1/23/2020	1/23/2020	1/22/2020	1/22/2020	1/22/2020	1/27/2020	1/27/2020	1/27/2020	1/27/2020
					Test Type	INITIAL	DILUTION	INITIAL	DILUTION									
					Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N
					Sample Class	GWLF_BP	GWLF	GWLF	GWLF									
Constituents	Fraction Class	Units	RI GW Protection GB	ROD TABLE L-4 AMMENDED SA GW														
<b>FIELD MEASURE</b>																		
Dissolved Oxygen (field measurement)	N	mg/L			0.44	--	0.44	5.38	--	5.38	0.40	--	0.40	2.07	--	2.07		
Oxidation-Reduction Potential (field measurement)	N	mV			-369.4	--	-369.4	-232.0	--	-232.0	-335.2	--	-335.2	292.6	--	292.6		
pH (field measurement)	N	SU			6.42	--	6.42	6.81	--	6.81	6.50	--	6.50	6.00	--	6.00		
Specific Conductivity (field measurement)	N	uS/cm			641.3	--	641.3	608.6	--	608.6	907	--	907	1708	--	1708		
Temperature (field measurement)	N	deg C			6.10	--	6.10	11.9	--	11.9	9.1	--	9.1	11.5	--	11.5		
Turbidity (field measurement)	N	NTU			4.11	--	4.11	5.40	--	5.40	4.59	--	4.59	8.93	--	8.93		
<b>SW1668C</b>																		
PCB 001	N	ng/l			--	--	0.0734 J	--	--	< 0.209 U	--	--	0.0759 J	--	--	< 0.227 U		
PCB 002	N	ng/l			--	--	< 0.203 U	--	--	< 0.209 U	--	--	< 0.198 U	--	--	< 0.227 U		
PCB 003	N	ng/l			--	--	< 0.203 U	--	--	< 0.209 U	--	--	0.0448 J	--	--	< 0.227 U		
PCB 004	N	ng/l			--	--	0.0460	--	--	< 0.0419 U	--	--	0.237	--	--	< 0.0453 U		
PCB 005	N	ng/l			--	--	< 0.0406 U	--	--	< 0.0419 U	--	--	< 0.0396 U	--	--	< 0.0453 U		
PCB 006	N	ng/l			--	--	< 0.0406 U	--	--	< 0.0419 U	--	--	0.130	--	--	< 0.0453 U		
PCB 007	N	ng/l			--	--	< 0.0406 U	--	--	< 0.0419 U	--	--	0.0379 J	--	--	< 0.0453 U		
PCB 008	N	ng/l			--	--	0.0339 J	--	--	< 0.0419 U	--	--	0.529	--	--	< 0.0453 U		
PCB 009	N	ng/l			--	--	< 0.0406 U	--	--	< 0.0419 U	--	--	0.0475	--	--	< 0.0453 U		
PCB 010	N	ng/l			--	--	< 0.0406 U	--	--	< 0.0419 U	--	--	0.0181 J	--	--	< 0.0453 U		
PCB 011	N	ng/l			--	--	< 0.305 U	--	--	< 0.314 U	--	--	< 0.297 U	--	--	< 0.340 U		
PCB 012+013	N	ng/l			--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	0.0546 J	--	--	< 0.0906 U		
PCB 014	N	ng/l			--	--	< 0.0406 U	--	--	< 0.0419 U	--	--	< 0.0396 U	--	--	< 0.0453 U		
PCB 015	N	ng/l			--	--	0.0139 J	--	--	< 0.0419 U	--	--	0.401	--	--	< 0.0453 U		
PCB 016	N	ng/l			--	--	0.0221 J	--	--	< 0.0419 U	--	--	0.670	--	--	< 0.0453 U		
PCB 017	N	ng/l			--	--	0.0152 J	--	--	< 0.0419 U	--	--	0.419	--	--	< 0.0453 U		
PCB 018+030	N	ng/l			--	--	0.0335 J	--	--	< 0.0838 U	--	--	1.13	--	--	< 0.0906 U		
PCB 019	N	ng/l			--	--	< 0.0406 U	--	--	< 0.0419 U	--	--	0.306	--	--	< 0.0453 U		
PCB 020+028	N	ng/l			--	--	0.0398 J	--	--	< 0.0838 U	--	--	0.680	--	--	< 0.0906 U		
PCB 021+033	N	ng/l			--	--	0.0152 J	--	--	< 0.0838 U	--	--	0.293	--	--	< 0.0906 U		
PCB 022	N	ng/l			--	--	0.0107 J	--	--	< 0.0419 U	--	--	0.232	--	--	< 0.0453 U		
PCB 023	N	ng/l			--	--	< 0.0406 U	--	--	< 0.0419 U	--	--	< 0.0396 U	--	--	< 0.0453 U		
PCB 024	N	ng/l			--	--	< 0.0406 U	--	--	< 0.0419 U	--	--	0.0162 J	--	--	< 0.0453 U		
PCB 025	N	ng/l			--	--	0.00614 J	--	--	< 0.0419 U	--	--	0.0510	--	--	< 0.0453 U		
PCB 026+029	N	ng/l			--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	0.135	--	--	< 0.0906 U		
PCB 027	N	ng/l			--	--	< 0.0406 U	--	--	< 0.0419 U	--	--	0.123	--	--	< 0.0453 U		
PCB 031	N	ng/l			--	--	0.0274 J	--	--	< 0.0419 U	--	--	0.570	--	--	< 0.0453 U		
PCB 032	N	ng/l			--	--	0.0140 J	--	--	< 0.0419 U	--	--	0.472	--	--	< 0.0453 U		
PCB 034	N	ng/l			--	--	< 0.0406 U	--	--	< 0.0419 U	--	--	< 0.0396 U	--	--	< 0.0453 U		
PCB 035	N	ng/l			--	--	< 0.0406 U	--	--	< 0.0419 U	--	--	0.0108 J	--	--	< 0.0453 U		
PCB 036	N	ng/l			--	--	< 0.0406 U	--	--	< 0.0419 U	--	--	< 0.0396 U	--	--	< 0.0453 U		
PCB 037	N	ng/l			--	--	0.00767 J	--	--	< 0.0419 U	--	--	0.160	--	--	< 0.0453 U		
PCB 038	N	ng/l			--	--	< 0.0406 U	--	--	< 0.0419 U	--	--	< 0.0396 U	--	--	< 0.0453 U		
PCB 039	N	ng/l																

					Location ID	MW-01S	MW-01S	MW-01S	MW-02D	MW-02D	MW-02D	MW-03S	MW-03S	MW-03S	MW-04B	MW-04B	MW-04B	MW-04B
					Sample ID	1399452	1399538	1399538	1399459	1399536	1399536	1399456	1399540	1399540	1399460	1399460	1399545	1399545
					Sample Date	1/21/2020	1/21/2020	1/21/2020	1/23/2020	1/23/2020	1/23/2020	1/22/2020	1/22/2020	1/22/2020	1/27/2020	1/27/2020	1/27/2020	1/27/2020
					Test Type	INITIAL	DILUTION	INITIAL	DILUTION									
					Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N
					Sample Class	GWLF_BP	GWLF	GWLF	GWLF									
Constituents	Fraction Class	Units	RI GW Protection GB	ROD TABLE L-4 AMMENDED SA GW														
PCB 042	N	ng/l			--	--	0.0298 J	--	--	< 0.0838 U	--	--	0.166	--	--	< 0.0906 U		
PCB 043	N	ng/l			--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	0.0287 J	--	--	< 0.0906 U		
PCB 044+047+065	N	ng/l			--	--	0.307	--	--	0.160 J	--	--	0.585	--	--	0.104 J		
PCB 045	N	ng/l			--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	0.197	--	--	< 0.0906 U		
PCB 046	N	ng/l			--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	0.0873	--	--	< 0.0906 U		
PCB 048	N	ng/l			--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	0.107	--	--	< 0.0906 U		
PCB 049+069	N	ng/l			--	--	0.0870 J	--	--	< 0.168 U	--	--	0.287	--	--	< 0.181 U		
PCB 050+53	N	ng/l			--	--	< 0.305 U	--	--	< 0.314 U	--	--	0.161 J	--	--	< 0.340 U		
PCB 051	N	ng/l			--	--	0.0323 J	--	--	< 0.0838 U	--	--	0.0440 J	--	--	< 0.0906 U		
PCB 052	N	ng/l			--	--	0.191	--	--	< 0.0838 U	--	--	0.639	--	--	< 0.0906 U		
PCB 054	N	ng/l			--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	< 0.0906 U		
PCB 055	N	ng/l			--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	< 0.0906 U		
PCB 056	N	ng/l			--	--	0.0164 J	--	--	< 0.0838 U	--	--	0.132	--	--	< 0.0906 U		
PCB 057	N	ng/l			--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	< 0.0906 U		
PCB 058	N	ng/l			--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	< 0.0906 U		
PCB 059+062+075	N	ng/l			--	--	< 0.244 U	--	--	< 0.251 U	--	--	0.0614 J	--	--	< 0.272 U		
PCB 060	N	ng/l			--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	0.0471 J	--	--	< 0.0906 U		
PCB 061+070+074+076	N	ng/l			--	--	0.0998 J	--	--	< 0.335 U	--	--	0.394	--	--	< 0.362 U		
PCB 063	N	ng/l			--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	< 0.0906 U		
PCB 064	N	ng/l			--	--	0.0254 J	--	--	< 0.0838 U	--	--	0.222	--	--	< 0.0906 U		
PCB 066	N	ng/l			--	--	0.0611 J	--	--	< 0.0838 U	--	--	0.209	--	--	< 0.0906 U		
PCB 067	N	ng/l			--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	< 0.0906 U		
PCB 068	N	ng/l			--	--	0.0181 J	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	< 0.0906 U		
PCB 072	N	ng/l			--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	< 0.0906 U		
PCB 073	N	ng/l			--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	< 0.0906 U		
PCB 077	N	ng/l			--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	0.0225 J	--	--	< 0.0906 U		
PCB 078	N	ng/l			--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	< 0.0906 U		
PCB 079	N	ng/l			--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	< 0.0906 U		
PCB 080	N	ng/l			--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	< 0.0906 U		
PCB 081	N	ng/l			--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	< 0.0906 U		
PCB 082	N	ng/l			--	--	0.0164 J	--	--	< 0.0838 U	--	--	0.0279 J	--	--	< 0.0906 U		
PCB 083	N	ng/l			--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	< 0.0906 U		
PCB 084	N	ng/l			--	--	0.0827	--	--	< 0.0838 U	--	--	0.0831	--	--	< 0.0906 U		
PCB 085+116+117	N	ng/l			--	--	< 0.244 U	--	--	< 0.251 U	--	--	< 0.238 U	--	--	< 0.272 U		
PCB 086+087+097+109+119+125	N	ng/l			--	--	< 0.487 U	--	--	< 0.503 U	--	--	< 0.475 U	--	--	< 0.544 U		
PCB 088	N	ng/l			--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	< 0.0906 U		
PCB 089	N	ng/l			--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	< 0.0906 U		
PCB 090+101+113	N	ng/l			--	--	0.239 J	--	--	< 0.251 U	--	--	0.145 J	--	--	< 0.272 U		
PCB 091	N	ng/l			--	--	0.0442 J	--	--	< 0.0838 U	--	--	0.0261 J	--	--	< 0.0906 U		
PCB 092	N	ng/l			--	--	0.0525 J	--	--	< 0.0838 U	--	--	0.0299 J	--	--	< 0.0906 U		
PCB 093+100	N	ng/l			--	--	< 0.162 U	--	--	< 0.168 U	--	--	< 0.158 U	--	--	< 0.181 U		
PCB 094	N	ng/l			--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	< 0.0906 U		
PCB 095	N	ng/l																

					Location ID	MW-01S	MW-01S	MW-01S	MW-02D	MW-02D	MW-02D	MW-03S	MW-03S	MW-03S	MW-04B	MW-04B	MW-04B	MW-04B
					Sample ID	1399452	1399538	1399538	1399459	1399536	1399536	1399456	1399540	1399540	1399460	1399460	1399545	1399545
					Sample Date	1/21/2020	1/21/2020	1/21/2020	1/23/2020	1/23/2020	1/23/2020	1/22/2020	1/22/2020	1/22/2020	1/27/2020	1/27/2020	1/27/2020	1/27/2020
					Test Type	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	DILUTION
					Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N
					Sample Class	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF
Constituents	Fraction Class	Units	RI GW Protection GB	ROD TABLE L-4 AMMENDED SA GW														
PCB 098+102	N	ng/l			--	--	< 0.203 U	--	--	< 0.209 U	--	--	< 0.198 U	--	--	--	< 0.227 U	
PCB 099	N	ng/l			--	--	0.115	--	--	< 0.0838 U	--	--	0.0585 J	--	--	--	< 0.0906 U	
PCB 103	N	ng/l			--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	--	< 0.0906 U	
PCB 104	N	ng/l			--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	--	< 0.0906 U	
PCB 105	N	ng/l			--	--	0.0329 J	--	--	< 0.0838 U	--	--	0.0367 J	--	--	--	< 0.0906 U	
PCB 106	N	ng/l			--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	--	< 0.0906 U	
PCB 107	N	ng/l			--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	--	< 0.0906 U	
PCB 108+124	N	ng/l			--	--	< 0.162 U	--	--	< 0.168 U	--	--	< 0.158 U	--	--	--	< 0.181 U	
PCB 110+115	N	ng/l			--	--	0.285	--	--	< 0.168 U	--	--	0.189	--	--	--	< 0.181 U	
PCB 111	N	ng/l			--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	--	< 0.0906 U	
PCB 112	N	ng/l			--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	--	< 0.0906 U	
PCB 114	N	ng/l			--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	--	< 0.0906 U	
PCB 118	N	ng/l			--	--	0.138	--	--	< 0.0838 U	--	--	0.0847	--	--	--	< 0.0906 U	
PCB 120	N	ng/l			--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	--	< 0.0906 U	
PCB 121	N	ng/l			--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	--	< 0.0906 U	
PCB 122	N	ng/l			--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	--	< 0.0906 U	
PCB 123	N	ng/l			--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	--	< 0.0906 U	
PCB 126	N	ng/l			--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	--	< 0.0906 U	
PCB 127	N	ng/l			--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	--	< 0.0906 U	
PCB 128+166	N	ng/l			--	--	< 0.162 U	--	--	< 0.168 U	--	--	< 0.158 U	--	--	--	< 0.181 U	
PCB 129+138+163	N	ng/l			--	--	0.182 J	--	--	< 0.251 U	--	--	0.0808 J	--	--	--	< 0.272 U	
PCB 130	N	ng/l			--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	--	< 0.0906 U	
PCB 131	N	ng/l			--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	--	< 0.0906 U	
PCB 132	N	ng/l			--	--	0.0601 J	--	--	< 0.0838 U	--	--	0.0330 J	--	--	--	< 0.0906 U	
PCB 133	N	ng/l			--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	--	< 0.0906 U	
PCB 134	N	ng/l			--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	--	< 0.0906 U	
PCB 135+151	N	ng/l			--	--	< 0.162 U	--	--	< 0.168 U	--	--	< 0.158 U	--	--	--	< 0.181 U	
PCB 136	N	ng/l			--	--	0.0170 J	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	--	< 0.0906 U	
PCB 137	N	ng/l			--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	--	< 0.0906 U	
PCB 139+140	N	ng/l			--	--	< 0.162 U	--	--	< 0.168 U	--	--	< 0.158 U	--	--	--	< 0.181 U	
PCB 141	N	ng/l			--	--	0.0280 J	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	--	< 0.0906 U	
PCB 142	N	ng/l			--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	--	< 0.0906 U	
PCB 143	N	ng/l			--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	--	< 0.0906 U	
PCB 144	N	ng/l			--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	--	< 0.0906 U	
PCB 145	N	ng/l			--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	--	< 0.0906 U	
PCB 146	N	ng/l			--	--	0.0252 J	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	--	< 0.0906 U	
PCB 147+149	N	ng/l			--	--	0.136 J	--	--	< 0.168 U	--	--	0.0629 J	--	--	--	< 0.181 U	
PCB 148	N	ng/l			--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	--	< 0.0906 U	
PCB 150	N	ng/l			--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	--	< 0.0906 U	
PCB 152	N	ng/l			--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	--	< 0.0906 U	
PCB 153+168	N	ng/l			--	--	0											

					Location ID	MW-01S	MW-01S	MW-01S	MW-02D	MW-02D	MW-02D	MW-03S	MW-03S	MW-03S	MW-04B	MW-04B	MW-04B	MW-04B
					Sample ID	1399452	1399538	1399538	1399459	1399536	1399536	1399456	1399540	1399540	1399460	1399460	1399545	1399545
					Sample Date	1/21/2020	1/21/2020	1/21/2020	1/23/2020	1/23/2020	1/23/2020	1/22/2020	1/22/2020	1/22/2020	1/27/2020	1/27/2020	1/27/2020	1/27/2020
					Test Type	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	DILUTION
					Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N
					Sample Class	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF
					Constituents	Fraction Class	Units	RI GW Protection GB	ROD TABLE L-4 AMMENDED SA GW									
PCB 158	N	ng/l				--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	--	< 0.0906 U
PCB 159	N	ng/l				--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	--	< 0.0906 U
PCB 160	N	ng/l				--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	--	< 0.0906 U
PCB 161	N	ng/l				--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	--	< 0.0906 U
PCB 162	N	ng/l				--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	--	< 0.0906 U
PCB 164	N	ng/l				--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	--	< 0.0906 U
PCB 165	N	ng/l				--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	--	< 0.0906 U
PCB 167	N	ng/l				--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	--	< 0.0906 U
PCB 169	N	ng/l				--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	--	< 0.0906 U
PCB 170	N	ng/l				--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	--	< 0.0906 U
PCB 171+173	N	ng/l				--	--	< 0.162 U	--	--	< 0.168 U	--	--	< 0.158 U	--	--	--	< 0.181 U
PCB 172	N	ng/l				--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	--	< 0.0906 U
PCB 174	N	ng/l				--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	--	< 0.0906 U
PCB 175	N	ng/l				--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	--	< 0.0906 U
PCB 176	N	ng/l				--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	--	< 0.0906 U
PCB 177	N	ng/l				--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	--	< 0.0906 U
PCB 178	N	ng/l				--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	--	< 0.0906 U
PCB 179	N	ng/l				--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	--	< 0.0906 U
PCB 180+193	N	ng/l				--	--	0.0313 J	--	--	< 0.168 U	--	--	0.0288 J	--	--	--	< 0.181 U
PCB 181	N	ng/l				--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	--	< 0.0906 U
PCB 182	N	ng/l				--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	--	< 0.0906 U
PCB 183+185	N	ng/l				--	--	< 0.162 U	--	--	< 0.168 U	--	--	< 0.158 U	--	--	--	< 0.181 U
PCB 184	N	ng/l				--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	--	< 0.0906 U
PCB 186	N	ng/l				--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	--	< 0.0906 U
PCB 187	N	ng/l				--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	--	< 0.0906 U
PCB 188	N	ng/l				--	--	< 0.203 U	--	--	< 0.209 U	--	--	< 0.198 U	--	--	--	< 0.227 U
PCB 189	N	ng/l				--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	--	< 0.0906 U
PCB 190	N	ng/l				--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	--	< 0.0906 U
PCB 191	N	ng/l				--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	--	< 0.0906 U
PCB 192	N	ng/l				--	--	< 0.0812 U	--	--	< 0.0838 U	--	--	< 0.0792 U	--	--	--	< 0.0906 U
PCB 194	N	ng/l				--	--	< 0.122 U	--	--	< 0.126 U	--	--	< 0.119 U	--	--	--	< 0.136 U
PCB 195	N	ng/l				--	--	< 0.122 U	--	--	< 0.126 U	--	--	< 0.119 U	--	--	--	< 0.136 U
PCB 196	N	ng/l				--	--	< 0.122 U	--	--	< 0.126 U	--	--	< 0.119 U	--	--	--	< 0.136 U
PCB 197+200	N	ng/l				--	--	< 0.244 U	--	--	< 0.251 U	--	--	< 0.238 U	--	--	--	< 0.272 U
PCB 198+199	N	ng/l				--	--	< 0.244 U	--	--	< 0.251 U	--	--	< 0.238 U	--	--	--	< 0.272 U
PCB 201	N	ng/l				--	--	< 0.406 U	--	--	< 0.419 U	--	--	< 0.396 U	--	--	--	< 0.453 U
PCB 202	N	ng/l				--	--	< 0.122 U	--	--	< 0.126 U	--	--	< 0.119 U	--	--	--	< 0.136 U
PCB 203	N	ng/l				--	--	< 0.122 U	--	--	< 0.126 U	--	--	< 0.119 U	--	--	--	< 0.136 U
PCB 204	N	ng/l				--	--	< 0.122 U	--	--	< 0.126 U	--	--	< 0.119 U	--	--	--	< 0.136 U
PCB 205	N	ng/l																

					Location ID	MW-01S	MW-01S	MW-01S	MW-02D	MW-02D	MW-02D	MW-03S	MW-03S	MW-03S	MW-04B	MW-04B	MW-04B	MW-04B	
					Sample ID	1399452	1399538	1399538	1399459	1399536	1399456	1399540	1399540	1399460	1399545	1399545	1399545	1399545	
					Sample Date	1/21/2020	1/21/2020	1/21/2020	1/23/2020	1/23/2020	1/22/2020	1/22/2020	1/22/2020	1/27/2020	1/27/2020	1/27/2020	1/27/2020	1/27/2020	1/27/2020
					Test Type	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	DILUTION	INITIAL
					Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N
					Sample Class	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF	GWLF
Constituents	Fraction Class	Units	RI GW Protection GB	ROD TABLE L-4 AMMENDED SA GW															
Toxicity Equivalent - Bird (PCBs)	N	ng/l			--	--	0.00000466	--	--	< 0 U	--	--	0.00225	--	--	--	< 0 U		
Toxicity Equivalent - Fish (PCBs)	N	ng/l			--	--	0.000000853	--	--	< 0 U	--	--	0.0000118	--	--	--	< 0 U		
Toxicity Equivalent (PCBs)	N	ng/l			--	--	0.00000512	--	--	< 0 U	--	--	0.00000589	--	--	--	< 0 U		
SW6010C																			
Aluminum [Al]	T	mg/L			--	--	< 0.10	--	--	< 0.10	--	--	< 0.10	--	--	--	< 0.10		
Barium [Ba]	T	mg/L			--	--	0.084	--	--	0.088	--	--	0.090	--	--	--	0.105		
Beryllium [Be]	T	mg/L			--	--	< 0.001	--	--	< 0.001	--	--	< 0.001	--	--	--	< 0.001		
Calcium [Ca]	T	mg/L			--	--	42.2	--	81.8	83.8 H	--	--	43.9	--	--	--	69.4		
Chromium, Total	T	mg/L			--	--	< 0.005	--	--	< 0.005	--	--	< 0.005	--	--	--	< 0.005		
Cobalt [Co]	T	mg/L			--	--	< 0.010	--	--	< 0.010	--	--	< 0.010	--	--	--	< 0.010		
Copper [Cu]	T	mg/L			--	--	< 0.005	--	--	< 0.005	--	--	< 0.005	--	--	--	< 0.005		
Iron [Fe]	T	mg/L			--	24.7	23.8 H	--	--	0.014	--	23.9	22.7 H	--	--	--	0.049		
Magnesium [Mg]	T	mg/L			--	--	5.09	--	--	9.31	--	--	7.84	--	--	--	7.87		
Manganese [Mn]	T	mg/L			--	4.26	4.07 H	--	--	< 0.010	--	2.21	2.11 H	--	--	--	< 0.010		
Potassium [K]	T	mg/L			--	--	5.91	--	--	6.42	--	--	5.90	--	--	--	6.84		
Sodium [Na]	T	mg/L			--	--	69.2	--	230	223 H	--	119	112 H	--	257	246 H			
Vanadium [V]	T	mg/L			--	--	< 0.005	--	--	< 0.005	--	--	0.009	--	--	--	< 0.005		
Zinc [Zn]	T	mg/L			--	--	< 0.010	--	--	< 0.010	--	--	< 0.010	--	--	--	< 0.010		
SW6020B																			
Antimony [Sb]	T	mg/L			--	--	< 0.0010	--	--	< 0.0010	--	--	< 0.0010	--	--	--	< 0.0010		
Arsenic [As]	T	mg/L			--	--	0.0058	--	--	< 0.0010	--	--	0.0034	--	--	--	< 0.0010		
Cadmium [Cd]	T	mg/L			--	--	0.0001	--	--	< 0.0001	--	--	< 0.0001	--	--	--	< 0.0001		
Lead [Pb]	T	mg/L			--	--	< 0.0010	--	--	< 0.0010	--	--	< 0.0010	--	--	--	< 0.0010		
Nickel [Ni]	T	mg/L			--	--	0.001	--	--	< 0.001	--	--	0.001	--	--	--	0.003		
Selenium [Se]	T	mg/L			--	--	< 0.001	--	--	< 0.001	--	--	< 0.001	--	--	--	< 0.001		
Silver [Ag]	T	mg/L			--	--	< 0.0005	--	--	< 0.0005	--	--	< 0.0005	--	--	--	< 0.0005		
Thallium [Tl]	T	mg/L			--	--	< 0.0010	--	--	< 0.0010	--	--	< 0.0010	--	--	--	< 0.0010		
SW7470A																			
Mercury [Hg]	T	mg/L			--	--	< 0.0002	--	--	< 0.0002	--	--	< 0.0002	--	--	--	< 0.0002		
SW8015C																			
TPH C8-C40	N	ug/L			--	--	< 580 U	--	--	< 630 U	--	--	< 570 U	--	--	--	< 670 U		
SW8081B																			
4,4-DDD	N	ug/L			--	--	< 0.020 U	--	--	< 0.022 U	--	--	< 0.021 U	--	--	--	< 0.022 U		
4,4-DDE	N	ug/L			--	--	< 0.020 U	--	--	< 0.022 U	--	--	< 0.021 U	--	--	--	< 0.022 U		
4,4-DDT	N	ug/L			--	--	< 0.020 U	--	--	< 0.022 U	--	--	< 0.021 U	--	--	--	< 0.022 U		
Aldrin	N	ug/L			--	--	< 0.010 U	--	--	< 0.011 U	--	--	< 0.010 U	--	--	--	< 0.011 U		
Alpha Endosulfan (Endosulfan I)	N	ug/L			--	--	< 0.010 U	--	--	< 0.011 U	--	--	< 0.010 U	--	--	--	< 0.011 U		
Alpha Hexachlorocyclohexane (Alpha-BHC)	N	ug/L			--	--	< 0.010 U	--	--	< 0.011 U	--	--	< 0.010 U	--	--	--	< 0.011 U		
Alpha-Chlordane (cis-Chlordane)	N	ug/L			--	--	< 0.010 U	--	--	< 0.011 U	--	--	< 0.010 U	--	--	--	< 0.011 U		
Beta Endosulfan (Endosulfan II)	N	ug/L			--	--	< 0.041 U	--	--	< 0.043 U	--	--	< 0.041 U	--	--	--	< 0.044 U		
Beta Hexachlorocyclohexane (Beta-BHC)	N	ug/L			--	--	< 0.010 U	--	--	< 0.011 U	--	--	< 0.010 U	--	--	--	< 0.011 U		
Beta-Chlordane (trans-Chlordane)	N	ug/L			--	--	< 0.031 U	--	--	< 0.032 U	--	--	< 0.031 U	--	--	--	< 0.033 U		
Chlordane	N	ug/L			--	--	< 0.51 U	--	--	< 0.54 U	--	--	< 0.51 U	--	--	--	< 0.55 U		
Delta Hexachlorocyclohexane (Delta-BHC)	N	ug/L			--	--	< 0.010 U	--	--	< 0.011 U	--	--	< 0.010 U	--	--	--	< 0.011 U		

					Location ID	MW-01S	MW-01S	MW-01S	MW-02D	MW-02D	MW-02D	MW-03S	MW-03S	MW-03S	MW-04B	MW-04B	MW-04B
					Sample ID	1399452	1399538	1399538	1399459	1399536	1399456	1399540	1399540	1399460	1399545	1399545	
					Sample Date	1/21/2020	1/21/2020	1/21/2020	1/23/2020	1/23/2020	1/23/2020	1/22/2020	1/22/2020	1/22/2020	1/27/2020	1/27/2020	1/27/2020
					Test Type	INITIAL	DILUTION	INITIAL									
					Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
					Sample Class	GWLF_BP	GWLF	GWLF									
Constituents	Fraction Class	Units	RI GW Protection GB	ROD TABLE L-4 AMMENDED SA GW													
Dieldrin	N	ug/L			--	--	< 0.020 U	--	--	< 0.022 U	--	--	< 0.021 U	--	--	< 0.022 U	
Endosulfan Sulfate	N	ug/L			--	--	< 0.020 U	--	--	< 0.022 U	--	--	< 0.021 U	--	--	< 0.022 U	
Endrin	N	ug/L			--	--	< 0.031 U	--	--	< 0.032 U	--	--	< 0.031 U	--	--	< 0.033 U	
Endrin Aldehyde	N	ug/L			--	--	< 0.10 U	--	--	< 0.11 U	--	--	< 0.10 U	--	--	< 0.11 U	
Endrin Ketone	N	ug/L			--	--	< 0.020 U	--	--	< 0.022 U	--	--	< 0.021 U	--	--	< 0.022 U	
Gamma-BHC (Lindane)	N	ug/L			--	--	< 0.010 U	--	--	< 0.011 U	--	--	< 0.010 U	--	--	< 0.011 U	
Heptachlor	N	ug/L			--	--	< 0.010 U	--	--	< 0.011 U	--	--	< 0.010 U	--	--	< 0.011 U	
Heptachlor Epoxide	N	ug/L			--	--	< 0.010 U	--	--	< 0.011 U	--	--	< 0.010 U	--	--	< 0.011 U	
Methoxychlor	N	ug/L			--	--	< 0.10 U	--	--	< 0.11 U	--	--	< 0.10 U	--	--	< 0.11 U	
Toxaphene	N	ug/L			--	--	< 1.0 U	--	--	< 1.1 U	--	--	< 1.0 U	--	--	< 1.1 U	
SW8082A																	
Aroclor 1016	N	ug/L			--	--	< 0.250 U	--	--	< 0.250 U	--	--	< 0.250 U	--	--	< 0.250 U	
Aroclor 1221	N	ug/L			--	--	< 0.250 U	--	--	< 0.250 U	--	--	< 0.250 U	--	--	< 0.250 U	
Aroclor 1232	N	ug/L			--	--	< 0.250 U	--	--	< 0.250 U	--	--	< 0.250 U	--	--	< 0.250 U	
Aroclor 1242	N	ug/L			--	--	< 0.250 U	--	--	0.255	--	--	< 0.250 U	--	--	< 0.250 U	
Aroclor 1248	N	ug/L			--	--	< 0.250 U	--	--	< 0.250 U	--	--	< 0.250 U	--	--	< 0.250 U	
Aroclor 1254	N	ug/L			--	--	< 0.250 U	--	--	< 0.250 U	--	--	< 0.250 U	--	--	< 0.250 U	
Aroclor 1260	N	ug/L			--	--	< 0.250 U	--	--	< 0.250 U	--	--	< 0.250 U	--	--	< 0.250 U	
Aroclor 1262	N	ug/L			--	--	< 0.250 U	--	--	< 0.250 U	--	--	< 0.250 U	--	--	< 0.250 U	
Aroclor 1268	N	ug/L			--	--	< 0.250 U	--	--	< 0.250 U	--	--	< 0.250 U	--	--	< 0.250 U	
PCBs, Total	N	ug/L			--	--	< 0.250 U	--	--	0.255	--	--	< 0.250 U	--	--	< 0.250 U	
SW8260C																	
1,1,1,2-Tetrachloroethane	N	ug/L			< 0.50 U	--	< 0.50 U	< 0.50 U	< 5.0 U	--	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	
1,1,1-Trichloroethane	N	ug/L	3100		< 0.50 U	--	< 0.50 U	< 0.50 U	< 5.0 U	--	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	
1,1,2,2-Tetrachloroethane	N	ug/L			< 0.50 U	--	< 0.50 U	< 0.50 U	< 5.0 U	--	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	N	ug/L			< 10 U	--	< 10 U	< 10 U	< 100 U	--	< 10 U	--	< 10 U	< 10 U	--	< 10 U	
1,1,2-Trichloroethane	N	ug/L			< 0.75 U	--	< 0.75 U	< 0.75 U	< 7.5 U	--	< 0.75 U	--	< 0.75 U	< 0.75 U	--	< 0.75 U	
1,1-Dichloroethane	N	ug/L			< 0.75 U	--	< 0.75 U	< 0.75 U	< 7.5 U	--	< 0.75 U	--	< 0.75 U	< 0.75 U	--	< 0.75 U	
1,1-Dichloroethylene	N	ug/L	7		< 0.50 U	--	< 0.50 U	< 0.50 U	< 5.0 U	--	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	
1,1-Dichloropropene	N	ug/L			< 2.5 U	--	< 2.5 U	< 2.5 U	< 25 U	--	< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U	
1,2,3-Trichlorobenzene	N	ug/L			< 2.5 U	--	< 2.5 U	< 2.5 U	< 25 U	--	< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U	
1,2,3-Trichloropropane	N	ug/L			< 5.0 U	--	< 5.0 U	< 5.0 U	< 50 U	--	< 5.0 U	--	< 5.0 U	< 5.0 U	--	< 5.0 U	
1,2,4-Trichlorobenzene	N	ug/L			< 2.5 U	--	< 2.5 U	< 2.5 U	< 25 U	--	< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U	
1,2,4-Trimethylbenzene	N	ug/L			< 2.5 U	--	< 2.5 U	< 2.5 U	< 25 U	--	< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U	
1,2-Dibromo-3-chloropropane	N	ug/L	2	2	< 2.0 U	--	< 2.0 U	< 2.0 U	< 20 U	--	< 2.0 U	--	< 2.0 U	< 2.0 U	--	< 2.0 U	
1,2-Dichlorobenzene	N	ug/L			< 2.5 U	--	< 2.5 U	< 2.5 U	< 25 U	--	< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U	
1,2-Dichloroethane	N	ug/L	110		< 0.50 U	--	< 0.50 U	< 0.50 U	< 5.0 U	--	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	
1,2-Dichloropropane	N	ug/L	3000		< 1.8 U	--	< 1.8 U	< 1.8 U	< 18 U	--	< 1.8 U	--	< 1.8 U	< 1.8 U	--	< 1.8 U	
1,3,5-Trimethylbenzene	N	ug/L			< 2.5 U	--	< 2.5 U	< 2.5 U	< 25 U	--	< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U	
1,3-Dichlorobenzene	N	ug/L			< 2.5 U	--	< 2.5 U	< 2.5 U	< 25 U	--	< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U	
1,3-Dichloropropane	N	ug/L			< 2.5 U	--	< 2.5 U	< 2.5 U	< 25 U	--	< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U	
1,4-Dichlorobenzene	N	ug/L			< 2.5 U	--	< 2.5 U	&lt									

					Location ID	MW-01S	MW-01S	MW-01S	MW-02D	MW-02D	MW-02D	MW-03S	MW-03S	MW-03S	MW-04B	MW-04B	MW-04B	MW-04B
					Sample ID	1399452	1399538	1399538	1399459	1399536	1399456	1399540	1399540	1399460	1399460	1399545	1399545	
					Sample Date	1/21/2020	1/21/2020	1/21/2020	1/23/2020	1/23/2020	1/22/2020	1/22/2020	1/22/2020	1/27/2020	1/27/2020	1/27/2020		
					Test Type	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	
					Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	
					Sample Class	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF	GWLF	
Constituents	Fraction Class	Units	RI GW Protection GB	ROD TABLE L-4 AMMENDED SA GW														
2-Chlorotoluene	N	ug/L			< 2.5 U	--	< 2.5 U	< 2.5 U	< 25 U	--	< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U		
2-Hexanone	N	ug/L			< 5.0 U	--	< 5.0 U	< 5.0 U	< 50 U	--	< 5.0 U	--	< 5.0 U	< 5.0 U	--	< 5.0 U		
4-Chlorotoluene	N	ug/L			< 2.5 U	--	< 2.5 U	< 2.5 U	< 25 U	--	< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U		
4-Isopropyltoluene (p-Cymene)	N	ug/L			< 0.50 U	--	< 0.50 U	< 0.50 U	< 5.0 U	--	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U		
Acetone	N	ug/L			< 5.0 U	--	< 5.0 U	< 5.0 U	< 50 U	--	< 5.0 U	--	< 5.0 U	< 5.0 U	--	< 5.0 U		
Acrylonitrile	N	ug/L			< 5.0 U	--	< 5.0 U	< 5.0 U	< 50 U	--	< 5.0 U	--	< 5.0 U	< 5.0 U	--	< 5.0 U		
Benzene	N	ug/L	140		< 0.50 U	--	< 0.50 U	< 0.50 U	< 5.0 U	--	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U		
Bromobenzene	N	ug/L			< 2.5 U	--	< 2.5 U	< 2.5 U	< 25 U	--	< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U		
Bromodichloromethane	N	ug/L			< 0.50 U	--	< 0.50 U	< 0.50 U	< 5.0 U	--	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U		
Bromoform	N	ug/L			< 2.0 U	--	< 2.0 U	< 2.0 U	< 20 U	--	< 2.0 U	--	< 2.0 U	< 2.0 U	--	< 2.0 U		
Bromomethane	N	ug/L			< 1.0 U	--	< 1.0 U	< 1.0 U	< 10 U	--	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U		
Carbon Disulfide	N	ug/L			< 5.0 U	--	< 5.0 U	< 5.0 U	< 50 U	--	< 5.0 U	--	< 5.0 U	< 5.0 U	--	< 5.0 U		
Carbon Tetrachloride	N	ug/L	70		< 0.50 U	--	< 0.50 U	< 0.50 U	< 5.0 U	--	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U		
Chlorobenzene	N	ug/L	3200		< 0.50 U	--	< 0.50 U	< 0.50 U	< 5.0 U	--	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U		
Chloroethane	N	ug/L			< 1.0 U	--	< 1.0 U	< 1.0 U	< 10 U	--	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U		
Chloroform	N	ug/L			< 0.75 U	--	< 0.75 U	0.89	< 7.5 U	--	< 0.75 U	--	< 0.75 U	< 0.75 U	--	< 0.75 U		
Chloromethane	N	ug/L			< 2.5 U	--	< 2.5 U	< 2.5 U	< 25 U	--	< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U		
cis-1,2-Dichloroethylene	N	ug/L	2400		< 0.50 U	--	< 0.50 U	0.83	< 5.0 U	--	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U		
cis-1,3-Dichloropropene	N	ug/L			< 0.50 U	--	< 0.50 U	< 0.50 U	< 5.0 U	--	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U		
Dibromochloromethane	N	ug/L			< 0.50 U	--	< 0.50 U	< 0.50 U	< 5.0 U	--	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U		
Dibromomethane	N	ug/L			< 5.0 U	--	< 5.0 U	< 5.0 U	< 50 U	--	< 5.0 U	--	< 5.0 U	< 5.0 U	--	< 5.0 U		
Dichlorodifluoromethane	N	ug/L			< 5.0 U	--	< 5.0 U	< 5.0 U	< 50 U	--	< 5.0 U	--	< 5.0 U	< 5.0 U	--	< 5.0 U		
Ethylbenzene	N	ug/L	1600		< 0.50 U	--	< 0.50 U	< 0.50 U	< 5.0 U	--	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U		
Ethylene Dibromide (EDB)	N	ug/L			< 2.0 U	--	< 2.0 U	< 2.0 U	< 20 U	--	< 2.0 U	--	< 2.0 U	< 2.0 U	--	< 2.0 U		
Hexachlorobutadiene	N	ug/L			< 0.50 U	--	< 0.50 U	< 0.50 U	< 5.0 U	--	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U		
Isopropylbenzene (cumene)	N	ug/L			< 0.50 U	--	< 0.50 U	< 0.50 U	< 5.0 U	--	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U		
Methyl Isobutyl Ketone (MIBK)	N	ug/L			< 5.0 U	--	< 5.0 U	< 5.0 U	< 50 U	--	< 5.0 U	--	< 5.0 U	< 5.0 U	--	< 5.0 U		
Methyl tert-Butyl Ether (MTBE)	N	ug/L	5000		< 1.0 U	--	< 1.0 U	< 1.0 U	< 10 U	--	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U		
Methylene Chloride	N	ug/L			< 3.0 U	--	< 3.0 U	< 3.0 U	< 30 U	--	< 3.0 U	--	< 3.0 U	< 3.0 U	--	< 3.0 U		
Naphthalene	N	ug/L			< 2.5 U	--	< 2.5 U	< 2.5 U	< 25 U	--	< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U		
n-Butylbenzene	N	ug/L			< 0.50 U	--	< 0.50 U	< 0.50 U	< 5.0 U	--	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U		
n-Propylbenzene	N	ug/L			< 0.50 U	--	< 0.50 U	< 0.50 U	< 5.0 U	--	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U		
sec-Butylbenzene	N	ug/L			< 0.50 U	--	< 0.50 U	< 0.50 U	< 5.0 U	--	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U		
Styrene	N	ug/L	2200		< 1.0 U	--	< 1.0 U	< 1.0 U	< 10 U	--	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U		
t-Butylbenzene	N	ug/L			< 2.5 U	--	< 2.5 U	< 2.5 U	< 25 U	--	< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U		
Tetrachloroethylene (PCE)	N	ug/L	150	150	< 0.50 U	--	< 0.50 U	94	910	--	< 0.50 U	--	< 0.50 U	63	--	61		
Tetrahydrofuran	N	ug/L			< 5.0 U	--	< 5.0 U	< 5										

					Location ID	MW-01S	MW-01S	MW-01S	MW-02D	MW-02D	MW-02D	MW-03S	MW-03S	MW-03S	MW-04B	MW-04B	MW-04B	MW-04B	
					Sample ID	1399452	1399538	1399538	1399459	1399536	1399536	1399456	1399540	1399540	1399460	1399460	1399545	1399545	
					Sample Date	1/21/2020	1/21/2020	1/21/2020	1/23/2020	1/23/2020	1/23/2020	1/22/2020	1/22/2020	1/22/2020	1/27/2020	1/27/2020	1/27/2020	1/27/2020	
					Test Type	INITIAL	DILUTION	INITIAL	DILUTION	INITIAL									
					Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N
					Sample Class	GWLF_BP	GWLF	GWLF	GWLF	GWLF									
Constituents	Fraction Class	Units	RI GW Protection GB	ROD TABLE L-4 AMMENDED SA GW															
Xylene, o-	N	ug/L			< 1.0 U	--	< 1.0 U	< 1.0 U	< 10 U	--	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U			
Xylenes, m- & p-	N	ug/L			< 1.0 U	--	< 1.0 U	< 1.0 U	< 10 U	--	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U			
Xylenes, Total	N	ug/L			< 1.0 U	--	< 1.0 U	< 1.0 U	< 10 U	--	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U			
SW8270D																			
1,1-Biphenyl (1,1-Diphenyl)	N	ug/L			--	--	< 10 U	--	--	< 11 U	--	--	< 10 U	--	--	< 12 U			
1,2,4,5-Tetrachlorobenzene	N	ug/L			--	--	< 2 U	--	--	< 2 U	--	--	< 2 U	--	--	< 2 U			
1,2,4-Trichlorobenzene	N	ug/L			--	--	< 2 U	--	--	< 2 U	--	--	< 2 U	--	--	< 2 U			
2,4,5-Trichlorophenol	N	ug/L			--	--	< 2 U	--	--	< 2 U	--	--	< 2 U	--	--	< 2 U			
2,4,6-Trichlorophenol	N	ug/L			--	--	< 2 U	--	--	< 2 U	--	--	< 2 U	--	--	< 2 U			
2,4-Dichlorophenol	N	ug/L			--	--	< 2 U	--	--	< 2 U	--	--	< 2 U	--	--	< 2 U			
2,4-Dimethylphenol	N	ug/L			--	--	< 10 U	--	--	< 11 U	--	--	< 10 U	--	--	< 12 U			
2,4-Dinitrophenol	N	ug/L			--	--	< 30 U	--	--	< 32 U	--	--	< 30 U	--	--	< 37 U			
2,4-Dinitrotoluene	N	ug/L			--	--	< 5 U	--	--	< 5 U	--	--	< 5 U	--	--	< 6 U			
2,6-Dinitrotoluene	N	ug/L			--	--	< 2 U	--	--	< 2 U	--	--	< 2 U	--	--	< 2 U			
2-Chloronaphthalene	N	ug/L			--	--	< 1 U	--	--	< 1 U	--	--	< 1 U	--	--	< 1 U			
2-Chlorophenol	N	ug/L			--	--	< 2 U	--	--	< 2 U	--	--	< 2 U	--	--	< 2 U			
2-Methyl-4,6-Dinitrophenol	N	ug/L			--	--	< 21 U	--	--	< 22 U	--	--	< 21 U	--	--	< 26 U			
2-Methylnaphthalene	N	ug/L			--	--	< 0.5 U	--	--	< 0.5 U	--	--	< 0.5 U	--	--	< 0.6 U			
2-Methylphenol (o-Cresol)	N	ug/L			--	--	< 2 U	--	--	< 2 U	--	--	< 2 U	--	--	< 2 U			
2-Nitroaniline	N	ug/L			--	--	< 7 U	--	--	< 7 U	--	--	< 7 U	--	--	< 9 U			
2-Nitrophenol	N	ug/L			--	--	< 10 U	--	--	< 11 U	--	--	< 10 U	--	--	< 12 U			
3,3-Dichlorobenzidine	N	ug/L			--	--	< 10 U	--	--	< 11 U	--	--	< 10 U	--	--	< 12 U			
3-Nitroaniline	N	ug/L			--	--	< 7 U	--	--	< 7 U	--	--	< 7 U	--	--	< 9 U			
4-Bromophenyl-phenyl ether	N	ug/L			--	--	< 2 U	--	--	< 2 U	--	--	< 2 U	--	--	< 2 U			
4-Chloro-3-methylphenol	N	ug/L			--	--	< 4 U	--	--	< 4 U	--	--	< 4 U	--	--	< 4 U			
4-Chloroaniline	N	ug/L			--	--	< 10 U	--	--	< 11 U	--	--	< 10 U	--	--	< 12 U			
4-Chlorophenyl-phenyl ether	N	ug/L			--	--	< 2 U	--	--	< 2 U	--	--	< 2 U	--	--	< 2 U			
4-Nitroaniline	N	ug/L			--	--	< 3 U	--	--	< 3 U	--	--	< 3 U	--	--	< 4 U			
4-Nitrophenol	N	ug/L			--	--	< 30 U	--	--	< 32 U	--	--	< 30 U	--	--	< 37 U			
Acenaphthene	N	ug/L			--	--	< 0.5 U	--	--	< 0.5 U	--	--	< 0.5 U	--	--	< 0.6 U			
Acenaphthylene	N	ug/L			--	--	< 0.5 U	--	--	< 0.5 U	--	--	< 0.5 U	--	--	< 0.6 U			
Anthracene	N	ug/L			--	--	< 0.5 U	--	--	< 0.5 U	--	--	< 0.5 U	--	--	< 0.6 U			
Benzo(a)anthracene	N	ug/L			--	--	< 0.5 U	--	--	< 0.5 U	--	--	< 0.5 U	--	--	< 0.6 U			
Benzo(a)pyrene	N	ug/L			--	--	< 0.5 U	--	--	< 0.5 U	--	--	< 0.5 U	--	--	< 0.6 U			
Benzo(b)fluoranthene	N	ug/L			--	--	< 0.5 U	--	--	< 0.5 U	--	--	< 0.5 U	--	--	< 0.6 U			
Benzo(g,h,i)perylene	N	ug/L			--	--	< 0.5 U	--	--	< 0.5 U	--	--	< 0.5 U	--	--	< 0.6 U			
Benzo(k)fluoranthene	N	ug/L			--	--	< 0.5 U	--	--	< 0.5 U	--	--	< 0.5 U	--	--	< 0.6 U			
bis (2-Chloroethyl) ether	N	ug/L			--	--	< 2 U	--	--	< 2 U	--	--	< 2 U	--	--	< 2 U			
bis(2-Chloroethoxy)methane	N	ug/L			--	--	< 2 U	--	--	< 2 U	--	--	< 2 U	--	--	< 2 U			
bis(2-Chloroisopropyl)ether	N	ug/L			--	--	< 2 U	--	--	< 2 U	--	--	< 2 U	--	--	< 2 U			
bis(2-ethylhexyl) Phthalate	N	ug/L			--	--	< 11 U	--	--	< 12 U	--	--	< 11 U	--	--	< 13 U			
Butyl Benzyl Phthalate	N	ug/L			--	--	< 5 U	--	--	< 5 U	--	--	< 5 U	--	--	< 6 U			
Carbazole	N	ug/L			--	--	< 2 U	--	--	< 2 U	--	--	< 2 U	--	--	< 2 U			
Chrysene	N	ug/L			--	--	< 0.5 U	--</											

					Location ID	MW-01S	MW-01S	MW-01S	MW-02D	MW-02D	MW-02D	MW-03S	MW-03S	MW-03S	MW-04B	MW-04B	MW-04B	MW-04B
					Sample ID	1399452	1399538	1399538	1399459	1399536	1399536	1399456	1399540	1399540	1399460	1399460	1399545	1399545
					Sample Date	1/21/2020	1/21/2020	1/21/2020	1/23/2020	1/23/2020	1/23/2020	1/22/2020	1/22/2020	1/22/2020	1/27/2020	1/27/2020	1/27/2020	1/27/2020
					Test Type	INITIAL	DILUTION	INITIAL	DILUTION									
					Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N
					Sample Class	GWLF_BP	GWLF	GWLF	GWLF									
Constituents	Fraction Class	Units	RI GW Protection GB	ROD TABLE L-4 AMMENDED SA GW														
Dibenzo(a,h)anthracene	N	ug/L			--	--	< 0.5 U	--	--	< 0.5 U	--	--	< 0.5 U	--	--	--	< 0.6 U	
Dibenzofuran	N	ug/L			--	--	< 2 U	--	--	< 2 U	--	--	< 2 U	--	--	--	< 2 U	
Diethyl Phthalate	N	ug/L			--	--	< 5 U	--	--	< 5 U	--	--	< 5 U	--	--	--	< 6 U	
Dimethyl Phthalate	N	ug/L			--	--	< 5 U	--	--	< 5 U	--	--	< 5 U	--	--	--	< 6 U	
Di-n-butyl Phthalate	N	ug/L			--	--	< 5 U	--	--	< 5 U	--	--	< 5 U	--	--	--	< 6 U	
Di-n-octyl Phthalate	N	ug/L			--	--	< 11 U	--	--	< 12 U	--	--	< 11 U	--	--	--	< 13 U	
Fluoranthene	N	ug/L			--	--	< 0.5 U	--	--	< 0.5 U	--	--	< 0.5 U	--	--	--	< 0.6 U	
Fluorene	N	ug/L			--	--	< 0.5 U	--	--	< 0.5 U	--	--	< 0.5 U	--	--	--	< 0.6 U	
Hexachlorobenzene	N	ug/L			--	--	< 0.5 U	--	--	< 0.5 U	--	--	< 0.5 U	--	--	--	< 0.6 U	
Hexachlorobutadiene	N	ug/L			--	--	< 2 U	--	--	< 2 U	--	--	< 2 U	--	--	--	< 2 U	
Hexachlorocyclopentadiene	N	ug/L			--	--	< 11 U	--	--	< 12 U	--	--	< 11 U	--	--	--	< 13 U	
Hexachloroethane	N	ug/L			--	--	< 5 U	--	--	< 5 U	--	--	< 5 U	--	--	--	< 6 U	
Indeno(1,2,3-c,d)pyrene	N	ug/L			--	--	< 0.5 U	--	--	< 0.5 U	--	--	< 0.5 U	--	--	--	< 0.6 U	
Isophorone	N	ug/L			--	--	< 2 U	--	--	< 2 U	--	--	< 2 U	--	--	--	< 2 U	
m- & p- Cresol	N	ug/L			--	--	< 2 U	--	--	< 2 U	--	--	< 2 U	--	--	--	< 2 U	
Naphthalene	N	ug/L			--	--	< 0.5 U	--	--	< 0.5 U	--	--	< 0.5 U	--	--	--	< 0.6 U	
Nitrobenzene	N	ug/L			--	--	< 2 U	--	--	< 2 U	--	--	< 2 U	--	--	--	< 2 U	
n-Nitroso-di-n-propylamine	N	ug/L			--	--	< 3 U	--	--	< 3 U	--	--	< 3 U	--	--	--	< 4 U	
n-Nitrosodiphenylamine	N	ug/L			--	--	< 3 U	--	--	< 3 U	--	--	< 3 U	--	--	--	< 4 U	
Pentachloronitrobenzene	N	ug/L			--	--	< 5 U	--	--	< 5 U	--	--	< 5 U	--	--	--	< 6 U	
Pentachlorophenol	N	ug/L			--	--	< 5 U	--	--	< 5 U	--	--	< 5 U	--	--	--	< 6 U	
Phenanthrone	N	ug/L			--	--	< 0.5 U	--	--	< 0.5 U	--	--	< 0.5 U	--	--	--	< 0.6 U	
Phenol	N	ug/L			--	--	< 2 U	--	--	< 2 U	--	--	< 2 U	--	--	--	< 2 U	
Pyrene	N	ug/L			--	--	< 0.5 U	--	--	< 0.5 U	--	--	< 0.5 U	--	--	--	< 0.6 U	
SW8290A																		
1234678-HpCDD	N	pg/l			--	--	1.12 JBQ	--	--	1.05 JBQ	--	--	1.18 JB	--	--	--	1.77 JBQ	
1234678-HpCDF	N	pg/l			--	--	0.991 JBQ	--	--	1.29 JB	--	--	1.39 JB	--	--	--	0.869 JB	
1234789-HpCDF	N	pg/l			--	--	0.869 JBQ	--	--	0.631 JBQ	--	--	0.343 JBQ	--	--	--	0.808 JB	
123478-HxCDD	N	pg/l			--	--	0.126 JBQ	--	--	< 26.0 U	--	--	< 24.5 U	--	--	--	0.649 JBQ	
123478-HxCDF	N	pg/l			--	--	0.174 JBQ	--	--	0.275 JBQ	--	--	0.182 JBQ	--	--	--	0.683 JB	
123678-HxCDD	N	pg/l			--	--	0.223 JBQ	--	--	< 26.0 U	--	--	0.435 JBQ	--	--	--	0.575 JB	
123678-HxCDF	N	pg/l			--	--	0.469 JBQ	--	--	0.609 JBQ	--	--	0.258 JBQ	--	--	--	0.578 JB	
123789-HxCDD	N	pg/l			--	--	< 24.8 U	--	--	< 26.0 U	--	--	0.156 JBQ	--	--	--	0.652 JB	
123789-HxCDF	N	pg/l			--	--	< 24.8 U	--	--	< 26.0 U	--	--	0.231 JBQ	--	--	--	0.908 JB	
12378-PeCDD	N	pg/l			--	--	< 24.8 U	--	--	0.342 JB	--	--	< 24.5 U	--	--	--	< 26.7 U	
12378-PeCDF	N	pg/l			--	--	0.315 JBQ	--	--	0.519 JBQ	--	--	0.539 JBQ	--	--	--	0.924 JB	
234678-HxCDF	N	pg/l			--	--	0.127 JBQ	--	--	0.385 JBQ	--	--	0.359 JBQ	--	--	--	0.822 JB	
23478-PeCDF	N	pg/l			--	--	< 24.8 U	--	--	0.197 JBQ	--	--	0.209 JBQ	--	--	--	0.775 JBQ	
2378-TCDD	N	pg/l		1800	--	--	0.259 JB	--	--	0.181 JBQ	--	--	5.61 B	--	--	--	0.214 JBQ	
2378-TCDF	N	pg/l			--	--	< 4.95 U	--	--	< 5.19 U	--	--	< 4.90 U	--	--	--	0.233 JBQ	
OCDD	N	pg/l			--	--	1.73 JBQ	--	--	4.22 JBQ	--	--	7.33 JBQ	--	--	--	5.77 JBQ	
OCDF	N	pg/l			--	--	1.17 JBQ	--	--	1.67 JB	--	--	1.35 JBQ	--	--	--	1.75 JB	
Toxicity Equivalent	N	pg/l			--	--	0.411	--	--	0.757	--	--	5.88	--	--	--	1.02	
Toxicity Equivalent-Bird	N	pg/l			--	--	0.396	--	--	0.920	--	--	6.01	--	--	--	1.74	

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Table 1 (Draft)  
 Groundwater Analytical Results - Winter 2020  
 Centre dale Manor Restoration Project Superfund Site  
 North Providence, Rhode Island

Location ID	MW-01S	MW-01S	MW-01S	MW-02D	MW-02D	MW-02D	MW-03S	MW-03S	MW-03S	MW-04B	MW-04B	MW-04B				
	Sample ID	1399452	1399538	1399538	1399459	1399536	1399456	1399540	1399540	1399460	1399545	1399545				
	Sample Date	1/21/2020	1/21/2020	1/21/2020	1/23/2020	1/23/2020	1/22/2020	1/22/2020	1/22/2020	1/27/2020	1/27/2020	1/27/2020				
	Test Type	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	DILUTION	INITIAL				
	Sample Type	N	N	N	N	N	N	N	N	N	N	N				
	Sample Class	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF	GWLF				
Constituents	Fraction Class	Units	RI GW Protection GB	ROD TABLE L-4 AMMENDED SA GW												
Toxicity Equivalent-Fish	N	pg/l			--	--	0.438	--	--	0.796	--	--	5.87	--	--	1.32

Table 1 (Draft)  
 Groundwater Analytical Results - Winter 2020  
 Centre dale Manor Restoration Project Superfund Site  
 North Providence, Rhode Island

					Location ID	MW-04D	MW-04D	MW-04D	MW-04D	MW-04D	MW-04D	MW-04SR	MW-04SR	MW-04SR	MW-06S	MW-06S	MW-06S	MW-06S
					Sample ID	1399450	1399462	1399544	1399544	1399547	1399547	1399461	1399552	1399552	1399446	1399448	1399532	
					Sample Date	1/27/2020	1/27/2020	1/27/2020	1/27/2020	1/27/2020	1/27/2020	3/5/2020	3/5/2020	3/5/2020	1/20/2020	1/20/2020	1/20/2020	
					Test Type	INITIAL	INITIAL	DILUTION	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	INITIAL	DILUTION	
					Sample Type	N	FD	N	N	FD	FD	N	N	N	N	N	FD	
					Sample Class	GWLF_BP	GWLF_BP	GWLF	GWLF	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF_BP	GWLF	
Constituents	Fraction Class	Units	RI GW Protection GB	ROD TABLE L-4 AMMENDED SA GW														
<b>FIELD MEASURE</b>																		
Dissolved Oxygen (field measurement)	N	mg/L			2.26	2.26	--	2.26	--	2.26	0.23	--	0.23	0.27	0.27	0.27	--	
Oxidation-Reduction Potential (field measurement)	N	mV			-185.2	-185.2	--	-185.2	--	-185.2	10.5	--	10.5	-184.7	-184.7	--	--	
pH (field measurement)	N	SU			6.06	6.06	--	6.06	--	6.06	6.58	--	6.58	6.88	6.88	--	--	
Specific Conductivity (field measurement)	N	uS/cm			1558	1558	--	1558	--	1558	1050	--	1050	938	938	--	--	
Temperature (field measurement)	N	deg C			11.1	11.1	--	11.1	--	11.1	9.6	--	9.6	9.1	9.1	--	--	
Turbidity (field measurement)	N	NTU			7.33	7.33	--	7.33	--	7.33	9.53	--	9.53	6.01	6.01	--	--	
<b>SW1668C</b>																		
PCB 001	N	ng/l			--	--	--	< 0.208 U	--	< 0.218 U	--	12.5	--	--	--	--	--	
PCB 002	N	ng/l			--	--	--	< 0.208 U	--	< 0.218 U	--	--	< 0.229 U	--	--	--	--	
PCB 003	N	ng/l			--	--	--	< 0.208 U	--	< 0.218 U	--	--	0.239	--	--	--	--	
PCB 004	N	ng/l			--	--	--	< 0.0416 U	--	< 0.0436 U	--	--	3.29	--	--	--	--	
PCB 005	N	ng/l			--	--	--	< 0.0416 U	--	< 0.0436 U	--	--	0.0936	--	--	--	--	
PCB 006	N	ng/l			--	--	--	< 0.0416 U	--	< 0.0436 U	--	--	0.482	--	--	--	--	
PCB 007	N	ng/l			--	--	--	< 0.0416 U	--	< 0.0436 U	--	--	0.168	--	--	--	--	
PCB 008	N	ng/l			--	--	--	< 0.0416 U	--	< 0.0436 U	--	--	1.64	--	--	--	--	
PCB 009	N	ng/l			--	--	--	< 0.0416 U	--	< 0.0436 U	--	--	0.202	--	--	--	--	
PCB 010	N	ng/l			--	--	--	< 0.0416 U	--	< 0.0436 U	--	--	0.250	--	--	--	--	
PCB 011	N	ng/l			--	--	--	< 0.312 U	--	< 0.327 U	--	--	< 0.343 U	--	--	--	--	
PCB 012+013	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	0.0374 J	--	--	--	--	
PCB 014	N	ng/l			--	--	--	< 0.0416 U	--	< 0.0436 U	--	--	< 0.0458 U	--	--	--	--	
PCB 015	N	ng/l			--	--	--	< 0.0416 U	--	< 0.0436 U	--	--	0.179	--	--	--	--	
PCB 016	N	ng/l			--	--	--	< 0.0416 U	--	< 0.0436 U	--	--	0.401	--	--	--	--	
PCB 017	N	ng/l			--	--	--	< 0.0416 U	--	< 0.0436 U	--	--	0.335	--	--	--	--	
PCB 018+030	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	0.718	--	--	--	--	
PCB 019	N	ng/l			--	--	--	< 0.0416 U	--	< 0.0436 U	--	--	0.194	--	--	--	--	
PCB 020+028	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	0.234	--	--	--	--	
PCB 021+033	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	0.122	--	--	--	--	
PCB 022	N	ng/l			--	--	--	< 0.0416 U	--	< 0.0436 U	--	--	0.0806	--	--	--	--	
PCB 023	N	ng/l			--	--	--	< 0.0416 U	--	< 0.0436 U	--	--	< 0.0458 U	--	--	--	--	
PCB 024	N	ng/l			--	--	--	< 0.0416 U	--	< 0.0436 U	--	--	< 0.0458 U	--	--	--	--	
PCB 025	N	ng/l			--	--	--	< 0.0416 U	--	< 0.0436 U	--	--	0.0222 J	--	--	--	--	
PCB 026+029	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	0.0512 J	--	--	--	--	
PCB 027	N	ng/l			--	--	--	< 0.0416 U	--	< 0.0436 U	--	--	0.0458	--	--	--	--	
PCB 031	N	ng/l			--	--	--	< 0.0416 U	--	< 0.0436 U	--	--	0.259	--	--	--	--	
PCB 032	N	ng/l			--	--	--	< 0.0416 U	--	< 0.0436 U	--	--	0.177	--	--	--	--	
PCB 034	N	ng/l			--	--	--	< 0.0416 U	--	< 0.0436 U	--	--	< 0.0458 U	--	--	--	--	
PCB 035	N	ng/l			--	--	--	< 0.0416 U	--	< 0.0436 U	--	--	< 0.0458 U	--	--	--	--	
PCB 036	N	ng/l			--	--	--	< 0.0416 U	--	< 0.0436 U	--	--	< 0.0458 U	--	--	--	--	
PCB 037	N	ng/l			--	--	--	< 0.0416 U	--	< 0.0436 U	--	--	0.0111 J	--	--	--	--	
PCB 038	N	ng/l			--	--	--	< 0.0416 U	--	< 0.0436 U	--	--	< 0.0458 U	--	--	--	--	
PCB 039	N	ng/l			--	--	--	< 0.0416 U	--	< 0.0436 U	--	--	< 0.0458 U	--	--	--	--	
PCB 040+071	N	ng/l			--	--	--	< 0.166 U	--	< 0.174 U	--	--	0.0281 J	--	--	--	--	
PCB 041	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--	

**Draft**

Table 1 (Draft)  
Groundwater Analytical Results - Winter 2020  
Centredale Manor Restoration Project Superfund Site  
North Providence, Rhode Island

				Location ID Sample ID Sample Date Test Type Sample Type Sample Class	MW-04D	MW-04D	MW-04D	MW-04D	MW-04D	MW-04D	MW-04SR	MW-04SR	MW-04SR	MW-06S	MW-06S	MW-06S	MW-06S
					1399450	1399462	1399544	1399544	1399547	1399547	1399461	1399552	1399552	1399446	1399448	1399532	
					1/27/2020	1/27/2020	1/27/2020	1/27/2020	1/27/2020	1/27/2020	3/5/2020	3/5/2020	3/5/2020	1/20/2020	1/20/2020	1/20/2020	
					INITIAL	INITIAL	DILUTION	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	INITIAL	DILUTION	
					N	FD	N	N	FD	FD	N	N	N	N	N	FD	
					GWLF_BP	GWLF_BP	GWLF	GWLF	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF_BP	GWLF	
Constituents	Fraction Class	Units	RI GW Protection GB	ROD TABLE L-4 AMMENDED SA GW													
PCB 042	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	0.0332 J	--	--	--	--
PCB 043	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--
PCB 044+047+065	N	ng/l			--	--	--	0.0979 J	--	0.105 J	--	--	0.159 J	--	--	--	--
PCB 045	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	0.0419 J	--	--	--	--
PCB 046	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	0.0143 J	--	--	--	--
PCB 048	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--
PCB 049+069	N	ng/l			--	--	--	< 0.166 U	--	< 0.174 U	--	--	0.0765 J	--	--	--	--
PCB 050+53	N	ng/l			--	--	--	< 0.312 U	--	< 0.327 U	--	--	< 0.343 U	--	--	--	--
PCB 051	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--
PCB 052	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	0.232	--	--	--	--
PCB 054	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--
PCB 055	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--
PCB 056	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--
PCB 057	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--
PCB 058	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--
PCB 059+062+075	N	ng/l			--	--	--	< 0.249 U	--	< 0.261 U	--	--	< 0.275 U	--	--	--	--
PCB 060	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--
PCB 061+070+074+076	N	ng/l			--	--	--	< 0.333 U	--	< 0.349 U	--	--	0.0555 J	--	--	--	--
PCB 063	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--
PCB 064	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	0.0277 J	--	--	--	--
PCB 066	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	0.0271 J	--	--	--	--
PCB 067	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--
PCB 068	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--
PCB 072	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--
PCB 073	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--
PCB 077	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--
PCB 078	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--
PCB 079	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--
PCB 080	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--
PCB 081	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--
PCB 082	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--
PCB 083	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--
PCB 084	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--
PCB 085+116+117	N	ng/l			--	--	--	< 0.249 U	--	< 0.261 U	--	--	< 0.275 U	--	--	--	--
PCB 086+087+097+109+119+125	N	ng/l			--	--	--	< 0.499 U	--	< 0.523 U	--	--	< 0.549 U	--	--	--	--
PCB 088	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--
PCB 089	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--
PCB 090+101+113	N	ng/l			--	--	--	< 0.249 U	--	< 0.261 U	--	--	0.0840 J	--	--	--	--
PCB 091	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	0.0148 J	--	--	--	--
PCB 092	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--
PCB 093+100	N	ng/l			--	--	--	< 0.166 U	--	< 0.174 U	--	--	< 0.183 U	--	--	--	--
PCB 094	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--
PCB 095	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	0.130	--	--	--	--
PCB 096	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--

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 Centre dale Manor Restoration Project Superfund Site  
 North Providence, Rhode Island

					Location ID	MW-04D	MW-04D	MW-04D	MW-04D	MW-04D	MW-04D	MW-04SR	MW-04SR	MW-04SR	MW-06S	MW-06S	MW-06S	MW-06S
					Sample ID	1399450	1399462	1399544	1399544	1399547	1399547	1399461	1399552	1399552	1399446	1399448	1399532	
					Sample Date	1/27/2020	1/27/2020	1/27/2020	1/27/2020	1/27/2020	1/27/2020	3/5/2020	3/5/2020	3/5/2020	1/20/2020	1/20/2020	1/20/2020	
					Test Type	INITIAL	INITIAL	DILUTION	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	INITIAL	DILUTION	
					Sample Type	N	FD	N	N	FD	FD	N	N	N	N	N	FD	
					Sample Class	GWLF_BP	GWLF_BP	GWLF	GWLF	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF_BP	GWLF	
Constituents	Fraction Class	Units	RI GW Protection GB	ROD TABLE L-4 AMMENDED SA GW														
PCB 098+102	N	ng/l			--	--	--	< 0.208 U	--	< 0.218 U	--	--	< 0.229 U	--	--	--	--	
PCB 099	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	0.0260 J	--	--	--	--	
PCB 103	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--	
PCB 104	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--	
PCB 105	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--	
PCB 106	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--	
PCB 107	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--	
PCB 108+124	N	ng/l			--	--	--	< 0.166 U	--	< 0.174 U	--	--	< 0.183 U	--	--	--	--	
PCB 110+115	N	ng/l			--	--	--	< 0.166 U	--	< 0.174 U	--	--	0.101 J	--	--	--	--	
PCB 111	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--	
PCB 112	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--	
PCB 114	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--	
PCB 118	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	0.0329 J	--	--	--	--	
PCB 120	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--	
PCB 121	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--	
PCB 122	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--	
PCB 123	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--	
PCB 126	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--	
PCB 127	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--	
PCB 128+166	N	ng/l			--	--	--	< 0.166 U	--	< 0.174 U	--	--	< 0.183 U	--	--	--	--	
PCB 129+138+163	N	ng/l			--	--	--	< 0.249 U	--	< 0.261 U	--	--	< 0.275 U	--	--	--	--	
PCB 130	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--	
PCB 131	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--	
PCB 132	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--	
PCB 133	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--	
PCB 134	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--	
PCB 135+151	N	ng/l			--	--	--	< 0.166 U	--	< 0.174 U	--	--	< 0.183 U	--	--	--	--	
PCB 136	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--	
PCB 137	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--	
PCB 139+140	N	ng/l			--	--	--	< 0.166 U	--	< 0.174 U	--	--	< 0.183 U	--	--	--	--	
PCB 141	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--	
PCB 142	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--	
PCB 143	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--	
PCB 144	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--	
PCB 145	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--	
PCB 146	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--	
PCB 147+149	N	ng/l			--	--	--	< 0.166 U	--	< 0.174 U	--	--	< 0.183 U	--	--	--	--	
PCB 148	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--	
PCB 150	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--	
PCB 152	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--	
PCB 153+168	N	ng/l			--	--	--	< 0.166 U	--	< 0.174 U	--	--	< 0.183 U	--	--	--	--	
PCB 154	N	ng/l			--	--	--	< 0.208 U	--	< 0.218 U	--	--	< 0.229 U	--	--	--	--	
PCB 155	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--	
PCB 156+157	N	ng/l			--	--	--	< 0.166 U	--	< 0.174 U	--							

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 Groundwater Analytical Results - Winter 2020  
 Centre dale Manor Restoration Project Superfund Site  
 North Providence, Rhode Island

					Location ID	MW-04D	MW-04D	MW-04D	MW-04D	MW-04D	MW-04D	MW-04SR	MW-04SR	MW-04SR	MW-06S	MW-06S	MW-06S	MW-06S
					Sample ID	1399450	1399462	1399544	1399544	1399547	1399547	1399461	1399552	1399552	1399446	1399448	1399532	
					Sample Date	1/27/2020	1/27/2020	1/27/2020	1/27/2020	1/27/2020	1/27/2020	3/5/2020	3/5/2020	3/5/2020	1/20/2020	1/20/2020	1/20/2020	
					Test Type	INITIAL	INITIAL	DILUTION	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	INITIAL	DILUTION	
					Sample Type	N	FD	N	N	FD	FD	N	N	N	N	N	FD	
					Sample Class	GWLF_BP	GWLF_BP	GWLF	GWLF	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF_BP	GWLF	
Constituents	Fraction Class	Units	RI GW Protection GB	ROD TABLE L-4 AMMENDED SA GW														
PCB 158	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--	
PCB 159	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--	
PCB 160	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--	
PCB 161	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--	
PCB 162	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--	
PCB 164	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--	
PCB 165	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--	
PCB 167	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--	
PCB 169	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--	
PCB 170	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--	
PCB 171+173	N	ng/l			--	--	--	< 0.166 U	--	< 0.174 U	--	--	< 0.183 U	--	--	--	--	
PCB 172	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--	
PCB 174	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--	
PCB 175	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--	
PCB 176	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--	
PCB 177	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--	
PCB 178	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--	
PCB 179	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--	
PCB 180+193	N	ng/l			--	--	--	< 0.166 U	--	< 0.174 U	--	--	< 0.183 U	--	--	--	--	
PCB 181	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--	
PCB 182	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--	
PCB 183+185	N	ng/l			--	--	--	< 0.166 U	--	< 0.174 U	--	--	< 0.183 U	--	--	--	--	
PCB 184	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--	
PCB 186	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--	
PCB 187	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--	
PCB 188	N	ng/l			--	--	--	< 0.208 U	--	< 0.218 U	--	--	< 0.229 U	--	--	--	--	
PCB 189	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--	
PCB 190	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--	
PCB 191	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--	
PCB 192	N	ng/l			--	--	--	< 0.0832 U	--	< 0.0871 U	--	--	< 0.0915 U	--	--	--	--	
PCB 194	N	ng/l			--	--	--	< 0.125 U	--	< 0.131 U	--	--	< 0.137 U	--	--	--	--	
PCB 195	N	ng/l			--	--	--	< 0.125 U	--	< 0.131 U	--	--	< 0.137 U	--	--	--	--	
PCB 196	N	ng/l			--	--	--	< 0.125 U	--	< 0.131 U	--	--	< 0.137 U	--	--	--	--	
PCB 197+200	N	ng/l			--	--	--	< 0.249 U	--	< 0.261 U	--	--	< 0.275 U	--	--	--	--	
PCB 198+199	N	ng/l			--	--	--	< 0.249 U	--	< 0.261 U	--	--	< 0.275 U	--	--	--	--	
PCB 201	N	ng/l			--	--	--	< 0.416 U	--	< 0.436 U	--	--	< 0.458 U	--	--	--	--	
PCB 202	N	ng/l			--	--	--	< 0.125 U	--	< 0.131 U	--	--	< 0.137 U	--	--	--	--	
PCB 203	N	ng/l			--	--	--	< 0.125 U	--	< 0.131 U	--	--	< 0.137 U	--	--	--	--	
PCB 204	N	ng/l			--	--	--	< 0.125 U	--	< 0.131 U	--	--	< 0.137 U	--	--	--	--	
PCB 205	N	ng/l			--	--	--	< 0.125 U	--	< 0.131 U	--	--	< 0.137 U	--	--	--	--	
PCB 206	N	ng/l			--	--	--	< 0.125 U	--	< 0.131 U	--	--	< 0.137 U	--	--	--	--	
PCB 207	N	ng/l			--	--	--	< 0.125 U	--	< 0.131 U	--	--	< 0.137 U	--	--	--	--	
PCB 208	N	ng/l			--	--	--	< 0.125 U	--	< 0.131 U	--	--	< 0.137 U	--	--	--	--	
PCB 209	N	ng/l			--	--	--	< 1.04 U	--	< 1.09 U	--	--	< 1.14 U	--	--	--	--	

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 Groundwater Analytical Results - Winter 2020  
 Centre dale Manor Restoration Project Superfund Site  
 North Providence, Rhode Island

					Location ID	MW-04D	MW-04D	MW-04D	MW-04D	MW-04D	MW-04D	MW-04SR	MW-04SR	MW-04SR	MW-06S	MW-06S	MW-06S	MW-06S
					Sample ID	1399450	1399462	1399544	1399544	1399547	1399547	1399461	1399552	1399552	1399446	1399448	1399532	
					Sample Date	1/27/2020	1/27/2020	1/27/2020	1/27/2020	1/27/2020	1/27/2020	3/5/2020	3/5/2020	3/5/2020	1/20/2020	1/20/2020	1/20/2020	
					Test Type	INITIAL	INITIAL	DILUTION	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	INITIAL	DILUTION	
					Sample Type	N	FD	N	N	FD	FD	N	N	N	N	N	FD	
					Sample Class	GWLF_BP	GWLF_BP	GWLF	GWLF	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF_BP	GWLF	
Constituents	Fraction Class	Units	RI GW Protection GB	ROD TABLE L-4 AMMENDED SA GW														
Toxicity Equivalent - Bird (PCBs)	N	ng/l			--	--	--	< 0 U	--	< 0 U	--	--	0.000000329	--	--	--	--	
Toxicity Equivalent - Fish (PCBs)	N	ng/l			--	--	--	< 0 U	--	< 0 U	--	--	0.000000165	--	--	--	--	
Toxicity Equivalent (PCBs)	N	ng/l			--	--	--	< 0 U	--	< 0 U	--	--	0.000000988	--	--	--	--	
SW6010C																		
Aluminum [Al]	T	mg/L			--	--	--	< 0.10	--	< 0.10	--	--	< 0.10	--	--	--	--	
Barium [Ba]	T	mg/L			--	--	--	0.113	--	0.113	--	--	0.065	--	--	--	--	
Beryllium [Be]	T	mg/L			--	--	--	< 0.001	--	< 0.001	--	--	< 0.001	--	--	--	--	
Calcium [Ca]	T	mg/L			--	--	--	66.5	--	66.1	--	--	37.0	--	--	--	--	
Chromium, Total	T	mg/L			--	--	--	< 0.005	--	< 0.005	--	--	< 0.005	--	--	--	--	
Cobalt [Co]	T	mg/L			--	--	--	< 0.010	--	< 0.010	--	--	< 0.010	--	--	--	--	
Copper [Cu]	T	mg/L			--	--	--	0.005	--	0.005	--	--	< 0.005	--	--	--	--	
Iron [Fe]	T	mg/L			--	--	--	< 0.010	--	0.012	--	23.6	24.4 H	--	--	--	21.4	
Magnesium [Mg]	T	mg/L			--	--	--	7.55	--	7.61	--	--	4.82	--	--	--	--	
Manganese [Mn]	T	mg/L			--	--	--	< 0.010	--	< 0.010	--	2.26	2.34 H	--	--	--	3.18	
Potassium [K]	T	mg/L			--	--	--	7.42	--	7.30	--	--	6.34	--	--	--	--	
Sodium [Na]	T	mg/L			--	--	263	243 H	261	245 H	--	143	137 H	--	--	--	119	
Vanadium [V]	T	mg/L			--	--	--	< 0.005	--	< 0.005	--	--	< 0.005	--	--	--	--	
Zinc [Zn]	T	mg/L			--	--	--	< 0.010	--	< 0.010	--	--	< 0.010	--	--	--	--	
SW6020B																		
Antimony [Sb]	T	mg/L			--	--	--	< 0.0010	--	< 0.0010	--	--	< 0.0010	--	--	--	--	
Arsenic [As]	T	mg/L			--	--	--	< 0.0010	--	< 0.0010	--	--	< 0.0010	--	--	--	--	
Cadmium [Cd]	T	mg/L			--	--	--	< 0.0001	--	< 0.0001	--	--	< 0.0001	--	--	--	--	
Lead [Pb]	T	mg/L			--	--	--	< 0.0010	--	< 0.0010	--	--	< 0.0010	--	--	--	--	
Nickel [Ni]	T	mg/L			--	--	--	0.006	--	0.005	--	--	0.002	--	--	--	--	
Selenium [Se]	T	mg/L			--	--	--	< 0.001	--	< 0.001	--	--	< 0.001	--	--	--	--	
Silver [Ag]	T	mg/L			--	--	--	< 0.0005	--	< 0.0005	--	--	< 0.0005	--	--	--	--	
Thallium [Tl]	T	mg/L			--	--	--	< 0.0010	--	< 0.0010	--	--	< 0.0010	--	--	--	--	
SW7470A																		
Mercury [Hg]	T	mg/L			--	--	--	< 0.0002	--	< 0.0002	--	--	< 0.0002	--	--	--	--	
SW8015C																		
TPH C8-C40	N	ug/L			--	--	--	< 600 U	--	< 740 U	--	--	< 670 U	--	--	--	--	
SW8081B																		
4,4-DDD	N	ug/L			--	--	--	< 0.026 U	--	< 0.024 U	--	--	< 0.023 U D2	--	--	--	--	
4,4-DDE	N	ug/L			--	--	--	< 0.026 U	--	< 0.024 U	--	--	< 0.023 U D1	--	--	--	--	
4,4-DDT	N	ug/L			--	--	--	< 0.026 U	--	< 0.024 U	--	--	< 0.023 U D2	--	--	--	--	
Aldrin	N	ug/L			--	--	--	< 0.013 U	--	< 0.012 U	--	--	< 0.012 U D2	--	--	--	--	
Alpha Endosulfan (Endosulfan I)	N	ug/L			--	--	--	< 0.013 U	--	< 0.012 U	--	--	< 0.012 U D2	--	--	--	--	
Alpha Hexachlorocyclohexane (Alpha-BHC)	N	ug/L			--	--	--	< 0.013 U	--	< 0.012 U	--	--	< 0.012 U D2	--	--	--	--	
Alpha-Chlordane (cis-Chlordane)	N	ug/L			--	--	--	< 0.013 U	--	< 0.012 U	--	--	< 0.012 U D2	--	--	--	--	
Beta Endosulfan (Endosulfan II)	N	ug/L			--	--	--	< 0.052 U	--	< 0.048 U	--	--	< 0.047 U D2	--	--	--	--	
Beta Hexachlorocyclohexane (Beta-BHC)	N	ug/L			--	--	--	< 0.013 U	--	< 0.012 U	--	--	< 0.012 U D2	--	--	--	--	
Beta-Chlordane (trans-Chlordane)	N	ug/L			--	--	--	< 0.039 U	--	< 0.036 U	--	--	< 0.035 U D1	--	--	--	--	
Chlordane	N	ug/L			--	--	--	< 0.65 U	--	< 0.60 U	--	--	< 0.58 U D1	--	--	--	--	
Delta Hexachlorocyclohexane (Delta-BHC)	N	ug/L			--	--	--	< 0.013 U	--	< 0.012 U	--	--	< 0.012 U D2	--	--	--	--	

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					Location ID	MW-04D	MW-04D	MW-04D	MW-04D	MW-04D	MW-04D	MW-04SR	MW-04SR	MW-04SR	MW-06S	MW-06S	MW-06S	MW-06S
					Sample ID	1399450	1399462	1399544	1399544	1399547	1399547	1399461	1399552	1399552	1399446	1399448	1399532	
					Sample Date	1/27/2020	1/27/2020	1/27/2020	1/27/2020	1/27/2020	1/27/2020	3/5/2020	3/5/2020	3/5/2020	1/20/2020	1/20/2020	1/20/2020	
					Test Type	INITIAL	INITIAL	DILUTION	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	INITIAL	DILUTION	
					Sample Type	N	FD	N	N	FD	FD	N	N	N	N	N	FD	
					Sample Class	GWLF_BP	GWLF_BP	GWLF	GWLF	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF_BP	GWLF	
Constituents	Fraction Class	Units	RI GW Protection GB	ROD TABLE L-4 AMMENDED SA GW														
Dieldrin	N	ug/L			--	--	--	< 0.026 U	--	< 0.024 U	--	--	< 0.023 U D1	--	--	--	--	
Endosulfan Sulfate	N	ug/L			--	--	--	< 0.026 U	--	< 0.024 U	--	--	< 0.023 U D2	--	--	--	--	
Endrin	N	ug/L			--	--	--	< 0.039 U	--	< 0.036 U	--	--	< 0.035 U D1	--	--	--	--	
Endrin Aldehyde	N	ug/L			--	--	--	< 0.13 U	--	< 0.12 U	--	--	< 0.12 U D2	--	--	--	--	
Endrin Ketone	N	ug/L			--	--	--	< 0.026 U	--	< 0.024 U	--	--	< 0.023 U D2	--	--	--	--	
Gamma-BHC (Lindane)	N	ug/L			--	--	--	< 0.013 U	--	< 0.012 U	--	--	< 0.012 U D2	--	--	--	--	
Heptachlor	N	ug/L			--	--	--	< 0.013 U	--	< 0.012 U	--	--	< 0.012 U D2	--	--	--	--	
Heptachlor Epoxide	N	ug/L			--	--	--	< 0.013 U	--	< 0.012 U	--	--	< 0.012 U D2	--	--	--	--	
Methoxychlor	N	ug/L			--	--	--	< 0.13 U	--	< 0.12 U	--	--	< 0.12 U D2	--	--	--	--	
Toxaphene	N	ug/L			--	--	--	< 1.3 U	--	< 1.2 U	--	--	< 1.2 U D1	--	--	--	--	
SW8082A																		
Aroclor 1016	N	ug/L			--	--	--	< 0.250 U	--	< 0.250 U	--	--	< 0.250 U	--	--	--	--	
Aroclor 1221	N	ug/L			--	--	--	< 0.250 U	--	< 0.250 U	--	--	< 0.250 U	--	--	--	--	
Aroclor 1232	N	ug/L			--	--	--	< 0.250 U	--	< 0.250 U	--	--	< 0.250 U	--	--	--	--	
Aroclor 1242	N	ug/L			--	--	--	< 0.250 U	--	< 0.250 U	--	--	< 0.250 U	--	--	--	--	
Aroclor 1248	N	ug/L			--	--	--	< 0.250 U	--	< 0.250 U	--	--	< 0.250 U	--	--	--	--	
Aroclor 1254	N	ug/L			--	--	--	< 0.250 U	--	< 0.250 U	--	--	< 0.250 U	--	--	--	--	
Aroclor 1260	N	ug/L			--	--	--	< 0.250 U	--	< 0.250 U	--	--	< 0.250 U	--	--	--	--	
Aroclor 1262	N	ug/L			--	--	--	< 0.250 U	--	< 0.250 U	--	--	< 0.250 U	--	--	--	--	
Aroclor 1268	N	ug/L			--	--	--	< 0.250 U	--	< 0.250 U	--	--	< 0.250 U	--	--	--	--	
PCBs, Total	N	ug/L			--	--	--	< 0.250 U	--	< 0.250 U	--	--	< 0.250 U	--	--	--	--	
SW8260C																		
1,1,1,2-Tetrachloroethane	N	ug/L			< 0.50 U	< 0.50 U	--	< 0.50 U	--	< 0.50 U	--	--	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	--	
1,1,1-Trichloroethane	N	ug/L	3100		< 0.50 U	< 0.50 U	--	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	--	
1,1,2,2-Tetrachloroethane	N	ug/L			< 0.50 U	< 0.50 U	--	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	--	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	N	ug/L			< 10 U	< 10 U	--	< 10 U	--	< 10 U	< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	--	
1,1,2-Trichloroethane	N	ug/L			< 0.75 U	< 0.75 U	--	< 0.75 U	--	< 0.75 U	< 0.75 U	--	< 0.75 U	< 0.75 U	< 0.75 U	< 0.75 U	--	
1,1-Dichloroethane	N	ug/L			< 0.75 U	< 0.75 U	--	< 0.75 U	--	< 0.75 U	< 0.75 U	--	< 0.75 U	< 0.75 U	2.3	2.4	--	
1,1-Dichloroethylene	N	ug/L	7		< 0.50 U	< 0.50 U	--	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	--	
1,1-Dichloropropene	N	ug/L			< 2.5 U	< 2.5 U	--	< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	--	
1,2,3-Trichlorobenzene	N	ug/L			< 2.5 U	< 2.5 U	--	< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	--	
1,2,3-Trichloropropane	N	ug/L			< 5.0 U	< 5.0 U	--	< 5.0 U	--	< 5.0 U	< 5.0 U	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	--	
1,2,4-Trichlorobenzene	N	ug/L			< 2.5 U	< 2.5 U	--	< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	--	
1,2,4-Trimethylbenzene	N	ug/L			< 2.5 U	< 2.5 U	--	< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	--	
1,2-Dibromo-3-chloropropane	N	ug/L	2	2	< 2.0 U	< 2.0 U	--	< 2.0 U	--	< 2.0 U	< 2.0 U	--	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	--	
1,2-Dichlorobenzene	N	ug/L			< 2.5 U	< 2.5 U	--	< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	--	
1,2-Dichloroethane	N	ug/L	110		< 0.50 U	< 0.50 U	--	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	--	
1,2-Dichloropropane	N	ug/L	3000		< 1.8 U	< 1.8 U	--	< 1.8 U	--	< 1.8 U	< 1.8 U	--	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	--	
1,3,5-Trimethylbenzene	N	ug/L			< 2.5 U	< 2.5 U	--	< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	--	
1,3-Dichlorobenzene	N	ug/L			< 2.5 U													

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 Groundwater Analytical Results - Winter 2020  
 Centre dale Manor Restoration Project Superfund Site  
 North Providence, Rhode Island

				Location ID Sample ID Sample Date Test Type Sample Type Sample Class	MW-04D	MW-04D	MW-04D	MW-04D	MW-04D	MW-04D	MW-04SR	MW-04SR	MW-04SR	MW-06S	MW-06S	MW-06S	MW-06S
					1399450	1399462	1399544	1399544	1399547	1399547	1399461	1399552	1399552	1399446	1399448	1399532	
					1/27/2020	1/27/2020	1/27/2020	1/27/2020	1/27/2020	1/27/2020	3/5/2020	3/5/2020	3/5/2020	1/20/2020	1/20/2020	1/20/2020	
					INITIAL	INITIAL	DILUTION	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	INITIAL	DILUTION	
					N	FD	N	N	FD	FD	N	N	N	N	N	FD	
					GWLF_BP	GWLF_BP	GWLF	GWLF	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF_BP	GWLF	
Constituents	Fraction Class	Units	RI GW Protection GB	ROD TABLE L-4 AMMENDED SA GW													
2-Chlorotoluene	N	ug/L			< 2.5 U	< 2.5 U	--	< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	--
2-Hexanone	N	ug/L			< 5.0 U	< 5.0 U	--	< 5.0 U	--	< 5.0 U	< 5.0 U	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	--
4-Chlorotoluene	N	ug/L			< 2.5 U	< 2.5 U	--	< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	--
4-Isopropyltoluene (p-Cymene)	N	ug/L			< 0.50 U	< 0.50 U	--	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	--
Acetone	N	ug/L			< 5.0 U	< 5.0 U	--	< 5.0 U	--	< 5.0 U	< 5.0 U	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	--
Acrylonitrile	N	ug/L			< 5.0 U	< 5.0 U	--	< 5.0 U	--	< 5.0 U	< 5.0 U	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	--
Benzene	N	ug/L	140		< 0.50 U	< 0.50 U	--	< 0.50 U	--	< 0.50 U	5.1	--	5.1	1.5	1.7	--	
Bromobenzene	N	ug/L			< 2.5 U	< 2.5 U	--	< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	--
Bromodichloromethane	N	ug/L			< 0.50 U	< 0.50 U	--	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	--
Bromoform	N	ug/L			< 2.0 U	< 2.0 U	--	< 2.0 U	--	< 2.0 U	< 2.0 U	--	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	--
Bromomethane	N	ug/L			< 1.0 U	< 1.0 U	--	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U	< 1.0 U	1.0	--	
Carbon Disulfide	N	ug/L			< 5.0 U	< 5.0 U	--	< 5.0 U	--	< 5.0 U	< 5.0 U	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	--
Carbon Tetrachloride	N	ug/L	70		< 0.50 U	< 0.50 U	--	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	--
Chlorobenzene	N	ug/L	3200		< 0.50 U	< 0.50 U	--	< 0.50 U	--	< 0.50 U	2.0	--	2.0	14	17	--	
Chloroethane	N	ug/L			< 1.0 U	< 1.0 U	--	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U	3.1	3.6	--	
Chloroform	N	ug/L			< 0.75 U	< 0.75 U	--	< 0.75 U	--	< 0.75 U	< 0.75 U	--	< 0.75 U	< 0.75 U	< 0.75 U	< 0.75 U	--
Chloromethane	N	ug/L			< 2.5 U	< 2.5 U	--	< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	--
cis-1,2-Dichloroethylene	N	ug/L	2400		< 0.50 U	< 0.50 U	--	< 0.50 U	--	< 0.50 U	8.2	--	8.1	1.6	1.8	--	
cis-1,3-Dichloropropene	N	ug/L			< 0.50 U	< 0.50 U	--	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	--
Dibromochloromethane	N	ug/L			< 0.50 U	< 0.50 U	--	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	--
Dibromomethane	N	ug/L			< 5.0 U	< 5.0 U	--	< 5.0 U	--	< 5.0 U	< 5.0 U	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	--
Dichlorodifluoromethane	N	ug/L			< 5.0 U	< 5.0 U	--	< 5.0 U	--	< 5.0 U	< 5.0 U	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	--
Ethylbenzene	N	ug/L	1600		< 0.50 U	< 0.50 U	--	< 0.50 U	--	< 0.50 U	0.75	--	0.79	< 0.50 U	< 0.50 U	< 0.50 U	--
Ethylene Dibromide (EDB)	N	ug/L			< 2.0 U	< 2.0 U	--	< 2.0 U	--	< 2.0 U	< 2.0 U	--	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	--
Hexachlorobutadiene	N	ug/L			< 0.50 U	< 0.50 U	--	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	--
Isopropylbenzene (cumene)	N	ug/L			< 0.50 U	< 0.50 U	--	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	--
Methyl Isobutyl Ketone (MIBK)	N	ug/L			< 5.0 U	< 5.0 U	--	< 5.0 U	--	< 5.0 U	< 5.0 U	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	--
Methyl tert-Butyl Ether (MTBE)	N	ug/L	5000		< 1.0 U	< 1.0 U	--	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--
Methylene Chloride	N	ug/L			< 3.0 U	< 3.0 U	--	< 3.0 U	--	< 3.0 U	< 3.0 U	--	< 3.0 U	< 3.0 U	< 3.0 U	< 3.0 U	--
Naphthalene	N	ug/L			< 2.5 U	< 2.5 U	--	< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	--
n-Butylbenzene	N	ug/L			< 0.50 U	< 0.50 U	--	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	--
n-Propylbenzene	N	ug/L			< 0.50 U	< 0.50 U	--	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	--
sec-Butylbenzene	N	ug/L			< 0.50 U	< 0.50 U	--	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	--
Styrene	N	ug/L	2200		< 1.0 U	< 1.0 U	--	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--
t-Butylbenzene	N	ug/L			< 2.5 U	< 2.5 U	--	< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	--
Tetrachloroethylene (PCE)	N</td																

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					Location ID	MW-04D	MW-04D	MW-04D	MW-04D	MW-04D	MW-04D	MW-04SR	MW-04SR	MW-04SR	MW-06S	MW-06S	MW-06S	MW-06S
					Sample ID	1399450	1399462	1399544	1399544	1399547	1399547	1399461	1399552	1399552	1399446	1399448	1399532	
					Sample Date	1/27/2020	1/27/2020	1/27/2020	1/27/2020	1/27/2020	1/27/2020	3/5/2020	3/5/2020	3/5/2020	1/20/2020	1/20/2020	1/20/2020	
					Test Type	INITIAL	INITIAL	DILUTION	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	INITIAL	DILUTION	
					Sample Type	N	FD	N	N	FD	FD	N	N	N	N	N	FD	
					Sample Class	GWLF_BP	GWLF_BP	GWLF	GWLF	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF_BP	GWLF	
Constituents	Fraction Class	Units	RI GW Protection GB	ROD TABLE L-4 AMMENDED SA GW														
Xylene, o-	N	ug/L			< 1.0 U	< 1.0 U	--	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	
Xylenes, m- & p-	N	ug/L			< 1.0 U	< 1.0 U	--	< 1.0 U	--	< 1.0 U	2.7	--	3.0	< 1.0 U	< 1.0 U	< 1.0 U	--	
Xylenes, Total	N	ug/L			< 1.0 U	< 1.0 U	--	< 1.0 U	--	< 1.0 U	2.7	--	3.0	< 1.0 U	< 1.0 U	< 1.0 U	--	
SW8270D																		
1,1-Biphenyl (1,1-Diphenyl)	N	ug/L			--	--	--	< 11 U	--	< 12 U	--	--	< 12 U	--	--	--	--	
1,2,4,5-Tetrachlorobenzene	N	ug/L			--	--	--	< 2 U	--	< 2 U	--	--	< 2 U	--	--	--	--	
1,2,4-Trichlorobenzene	N	ug/L			--	--	--	< 2 U	--	< 2 U	--	--	< 2 U	--	--	--	--	
2,4,5-Trichlorophenol	N	ug/L			--	--	--	< 2 U	--	< 2 U	--	--	< 2 U	--	--	--	--	
2,4,6-Trichlorophenol	N	ug/L			--	--	--	< 2 U	--	< 2 U	--	--	< 2 U	--	--	--	--	
2,4-Dichlorophenol	N	ug/L			--	--	--	< 2 U	--	< 2 U	--	--	< 2 U	--	--	--	--	
2,4-Dimethylphenol	N	ug/L			--	--	--	< 11 U	--	< 12 U	--	--	< 12 U	--	--	--	--	
2,4-Dinitrophenol	N	ug/L			--	--	--	< 34 U	--	< 36 U	--	--	< 36 U	--	--	--	--	
2,4-Dinitrotoluene	N	ug/L			--	--	--	< 6 U	--	< 6 U	--	--	< 6 U	--	--	--	--	
2,6-Dinitrotoluene	N	ug/L			--	--	--	< 2 U	--	< 2 U	--	--	< 2 U	--	--	--	--	
2-Chloronaphthalene	N	ug/L			--	--	--	< 1 U	--	< 1 U	--	--	< 1 U	--	--	--	--	
2-Chlorophenol	N	ug/L			--	--	--	< 2 U	--	< 2 U	--	--	< 2 U	--	--	--	--	
2-Methyl-4,6-Dinitrophenol	N	ug/L			--	--	--	< 24 U	--	< 25 U	--	--	< 25 U	--	--	--	--	
2-Methylnaphthalene	N	ug/L			--	--	--	< 0.6 U	--	< 0.6 U	--	--	< 0.6 U	--	--	--	--	
2-Methylphenol (o-Cresol)	N	ug/L			--	--	--	< 2 U	--	< 2 U	--	--	< 2 U	--	--	--	--	
2-Nitroaniline	N	ug/L			--	--	--	< 8 U	--	< 8 U	--	--	< 8 U	--	--	--	--	
2-Nitrophenol	N	ug/L			--	--	--	< 11 U	--	< 12 U	--	--	< 12 U	--	--	--	--	
3,3-Dichlorobenzidine	N	ug/L			--	--	--	< 11 U	--	< 12 U	--	--	< 12 U	--	--	--	--	
3-Nitroaniline	N	ug/L			--	--	--	< 8 U	--	< 8 U	--	--	< 8 U	--	--	--	--	
4-Bromophenyl-phenyl ether	N	ug/L			--	--	--	< 2 U	--	< 2 U	--	--	< 2 U	--	--	--	--	
4-Chloro-3-methylphenol	N	ug/L			--	--	--	< 4 U	--	< 4 U	--	--	< 4 U	--	--	--	--	
4-Chloroaniline	N	ug/L			--	--	--	< 11 U	--	< 12 U	--	--	< 12 U	--	--	--	--	
4-Chlorophenyl-phenyl ether	N	ug/L			--	--	--	< 2 U	--	< 2 U	--	--	< 2 U	--	--	--	--	
4-Nitroaniline	N	ug/L			--	--	--	< 3 U	--	< 4 U	--	--	< 4 U	--	--	--	--	
4-Nitrophenol	N	ug/L			--	--	--	< 34 U	--	< 36 U	--	--	< 36 U	--	--	--	--	
Acenaphthene	N	ug/L			--	--	--	< 0.6 U	--	< 0.6 U	--	--	< 0.6 U	--	--	--	--	
Acenaphthylene	N	ug/L			--	--	--	< 0.6 U	--	< 0.6 U	--	--	< 0.6 U	--	--	--	--	
Anthracene	N	ug/L			--	--	--	< 0.6 U	--	< 0.6 U	--	--	< 0.6 U	--	--	--	--	
Benzo(a)anthracene	N	ug/L			--	--	--	< 0.6 U	--	< 0.6 U	--	--	< 0.6 U	--	--	--	--	
Benzo(a)pyrene	N	ug/L			--	--	--	< 0.6 U	--	< 0.6 U	--	--	< 0.6 U	--	--	--	--	
Benzo(b)fluoranthene	N	ug/L			--	--	--	< 0.6 U	--	< 0.6 U	--	--	< 0.6 U	--	--	--	--	
Benzo(g,h,i)perylene	N	ug/L			--	--	--	< 0.6 U	--	< 0.6 U	--	--	< 0.6 U	--	--	--	--	
Benzo(k)fluoranthene	N	ug/L			--	--	--	< 0.6 U	--	< 0.6 U	--	--	< 0.6 U	--	--	--	--	
bis (2-Chloroethyl) ether	N	ug/L			--	--	--	< 2 U	--	< 2 U	--	--	< 2 U	--	--	--	--	
bis(2-Chloroethoxy)methane	N	ug/L			--	--	--	< 2 U	--	< 2 U	--	--	< 2 U	--	--	--	--	
bis(2-Chloroisopropyl)ether	N	ug/L			--	--	--	< 2 U	--	< 2 U	--	--	< 2 U	--	--	--	--	
bis(2-ethylhexyl) Phthalate	N	ug/L			--	--	--	< 12 U	--	< 13 U	--	--	< 13 U	--	--	--	--	
Butyl Benzyl Phthalate	N	ug/L			--	--	--	< 6 U	--	< 6 U	--	--	< 6 U	--	--	--	--	
Carbazole	N	ug/L			--	--	--	< 2 U	--	< 2 U	--	--	< 2 U	--	--	--	--	
Chrysene	N	ug/L			--	--	--	< 0.6 U	--	< 0.6 U	--	--	< 0.6 U	--	--	--	--	

					Location ID	MW-04D	MW-04D	MW-04D	MW-04D	MW-04D	MW-04D	MW-04SR	MW-04SR	MW-04SR	MW-06S	MW-06S	MW-06S	MW-06S
					Sample ID	1399450	1399462	1399544	1399544	1399547	1399547	1399461	1399552	1399552	1399446	1399448	1399532	
					Sample Date	1/27/2020	1/27/2020	1/27/2020	1/27/2020	1/27/2020	1/27/2020	3/5/2020	3/5/2020	3/5/2020	1/20/2020	1/20/2020	1/20/2020	
					Test Type	INITIAL	INITIAL	DILUTION	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	INITIAL	DILUTION	
					Sample Type	N	FD	N	N	FD	FD	N	N	N	N	N	FD	
					Sample Class	GWLF_BP	GWLF_BP	GWLF	GWLF	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF_BP	GWLF	
Constituents	Fraction Class	Units	RI GW Protection GB	ROD TABLE L-4 AMMENDED SA GW														
Dibenzo(a,h)anthracene	N	ug/L			--	--	--	< 0.6 U	--	< 0.6 U	--	--	< 0.6 U	--	--	--	--	
Dibenzofuran	N	ug/L			--	--	--	< 2 U	--	< 2 U	--	--	< 2 U	--	--	--	--	
Diethyl Phthalate	N	ug/L			--	--	--	< 6 U	--	< 6 U	--	--	< 6 U	--	--	--	--	
Dimethyl Phthalate	N	ug/L			--	--	--	< 6 U	--	< 6 U	--	--	< 6 U	--	--	--	--	
Di-n-butyl Phthalate	N	ug/L			--	--	--	< 6 U	--	< 6 U	--	--	< 6 U	--	--	--	--	
Di-n-octyl Phthalate	N	ug/L			--	--	--	< 12 U	--	< 13 U	--	--	< 13 U	--	--	--	--	
Fluoranthene	N	ug/L			--	--	--	< 0.6 U	--	< 0.6 U	--	--	< 0.6 U	--	--	--	--	
Fluorene	N	ug/L			--	--	--	< 0.6 U	--	< 0.6 U	--	--	< 0.6 U	--	--	--	--	
Hexachlorobenzene	N	ug/L			--	--	--	< 0.6 U	--	< 0.6 U	--	--	< 0.6 U	--	--	--	--	
Hexachlorobutadiene	N	ug/L			--	--	--	< 2 U	--	< 2 U	--	--	< 2 U	--	--	--	--	
Hexachlorocyclopentadiene	N	ug/L			--	--	--	< 12 U	--	< 13 U	--	--	< 13 U	--	--	--	--	
Hexachloroethane	N	ug/L			--	--	--	< 6 U	--	< 6 U	--	--	< 6 U	--	--	--	--	
Indeno(1,2,3-c,d)pyrene	N	ug/L			--	--	--	< 0.6 U	--	< 0.6 U	--	--	< 0.6 U	--	--	--	--	
Isophorone	N	ug/L			--	--	--	< 2 U	--	< 2 U	--	--	< 2 U	--	--	--	--	
m- & p- Cresol	N	ug/L			--	--	--	< 2 U	--	< 2 U	--	--	< 2 U	--	--	--	--	
Naphthalene	N	ug/L			--	--	--	< 0.6 U	--	< 0.6 U	--	--	< 0.6 U	--	--	--	--	
Nitrobenzene	N	ug/L			--	--	--	< 2 U	--	< 2 U	--	--	< 2 U	--	--	--	--	
n-Nitroso-di-n-propylamine	N	ug/L			--	--	--	< 3 U	--	< 4 U	--	--	< 4 U	--	--	--	--	
n-Nitrosodiphenylamine	N	ug/L			--	--	--	< 3 U	--	< 4 U	--	--	< 4 U	--	--	--	--	
Pentachloronitrobenzene	N	ug/L			--	--	--	< 6 U	--	< 6 U	--	--	< 6 U	--	--	--	--	
Pentachlorophenol	N	ug/L			--	--	--	< 6 U	--	< 6 U	--	--	< 6 U	--	--	--	--	
Phenanthrone	N	ug/L			--	--	--	< 0.6 U	--	< 0.6 U	--	--	< 0.6 U	--	--	--	--	
Phenol	N	ug/L			--	--	--	< 2 U	--	< 2 U	--	--	< 2 U	--	--	--	--	
Pyrene	N	ug/L			--	--	--	< 0.6 U	--	< 0.6 U	--	--	< 0.6 U	--	--	--	--	
SW8290A																		
1234678-HpCDD	N	pg/l			--	--	--	0.980 JB	--	1.09 JBQ	--	--	1.49 JB	--	--	--	--	
1234678-HpCDF	N	pg/l			--	--	--	0.443 JB	--	0.568 JBQ	--	--	0.390 JBQ	--	--	--	--	
1234789-HpCDF	N	pg/l			--	--	--	0.313 JBQ	--	0.351 JBQ	--	--	0.135 JBQ	--	--	--	--	
123478-HxCDD	N	pg/l			--	--	--	0.353 JBQ	--	0.263 JBQ	--	--	< 27.6 U	--	--	--	--	
123478-HxCDF	N	pg/l			--	--	--	0.356 JB	--	0.309 JB	--	--	0.197 JBQ	--	--	--	--	
123678-HxCDD	N	pg/l			--	--	--	0.400 JB	--	0.335 JB	--	--	0.284 JBQ	--	--	--	--	
123678-HxCDF	N	pg/l			--	--	--	0.328 JB	--	0.303 JBQ	--	--	0.0873 JBQ	--	--	--	--	
123789-HxCDD	N	pg/l			--	--	--	0.284 JBQ	--	0.396 JBQ	--	--	< 27.6 U	--	--	--	--	
123789-HxCDF	N	pg/l			--	--	--	0.307 JB	--	0.321 JBQ	--	--	0.332 JBQ	--	--	--	--	
12378-PeCDD	N	pg/l			--	--	--	0.225 JBQ	--	< 27.4 U	--	--	0.289 JBQ	--	--	--	--	
12378-PeCDF	N	pg/l			--	--	--	0.629 JBQ	--	0.613 JB	--	--	0.168 JBQ	--	--	--	--	
234678-HxCDF	N	pg/l			--	--	--	0.404 JBQ	--	0.394 JB	--	--	0.586 JBQ	--	--	--	--	
23478-PeCDF	N	pg/l			--	--	--	0.543 JBQ	--	0.417 JBQ	--	--	0.255 JBQ	--	--	--	--	
2378-TCDD	N	pg/l		1800	--	--	--	0.185 JBQ	--	0.173 JB	--	--	0.391 JBQ	--	--	--	--	
2378-TCDF	N	pg/l			--	--	--	< 5.32 U	--	0.0816 JQ	--	--	0.354 JQ	--	--	--	--	
OCDD	N	pg/l			--	--	--	2.09 JBQ	--	2.97 JB	--	--	3.64 JBQ	--	--	--	--	
OCDF	N	pg/l			--	--	--	1.01 JBQ	--	1.15 JB	--	--	0.824 JBQ	--	--	--	--	
Toxicity Equivalent	N	pg/l			--	--	--	0.853	--	0.578	--	--	0.967	--	--	--	--	
Toxicity Equivalent-Bird	N	pg/l			--	--	--	1.21	--	0.932	--	--	1.44	--	--	--	--	

**Draft**

Table 1 (Draft)  
 Groundwater Analytical Results - Winter 2020  
 Centre dale Manor Restoration Project Superfund Site  
 North Providence, Rhode Island

Location ID	MW-04D	MW-04D	MW-04D	MW-04D	MW-04D	MW-04D	MW-04SR	MW-04SR	MW-04SR	MW-06S	MW-06S	MW-06S				
	Sample ID	1399450	1399462	1399544	1399544	1399547	1399547	1399461	1399552	1399552	1399446	1399448	1399532			
	Sample Date	1/27/2020	1/27/2020	1/27/2020	1/27/2020	1/27/2020	1/27/2020	3/5/2020	3/5/2020	3/5/2020	1/20/2020	1/20/2020	1/20/2020			
	Test Type	INITIAL	INITIAL	DILUTION	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	INITIAL	DILUTION			
	Sample Type	N	FD	N	N	FD	FD	N	N	N	N	N	FD			
	Sample Class	GWLF_BP	GWLF_BP	GWLF	GWLF	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF_BP	GWLF			
Constituents	Fraction Class	Units	RI GW Protection GB	ROD TABLE L-4 AMMENDED SA GW												
Toxicity Equivalent-Fish	N	pg/l			--	--	--	1.04	--	0.698	--	--	0.963	--	--	--

					Location ID	MW-06S	MW-06S	MW-06S	MW-07D	MW-07D	MW-07S	MW-07S	MW-07S	MW-08SR	MW-08SR	MW-08SR	MW-08SR	MW-09S
					Sample ID	1399532	1399534	1399534	1399438	1399521	1399440	1399523	1399523	1399437	1399520	1399520	1399520	1399458
					Sample Date	1/20/2020	1/20/2020	1/20/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/28/2020
					Test Type	INITIAL	DILUTION	INITIAL	INITIAL	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	INITIAL
					Sample Type	FD	N	N	N	N	N	N	N	N	N	N	N	N
					Sample Class	GWLF	GWLF	GWLF	GWLF_BP	GWLF	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF
Constituents	Fraction Class	Units	RI GW Protection GB	ROD TABLE L-4 AMMENDED SA GW														
<b>FIELD MEASURE</b>																		
Dissolved Oxygen (field measurement)	N	mg/L			0.27	--	0.27	5.57	5.57	0.62	--	0.62	--	--	--	-4.82	0.28	
Oxidation-Reduction Potential (field measurement)	N	mV			-184.7	--	-184.7	-210.6	-210.6	15.4	--	15.4	--	--	--	-233.1	-345.4	
pH (field measurement)	N	SU			6.88	--	6.88	6.01	6.01	6.41	--	6.41	--	--	--	6.86	6.45	
Specific Conductivity (field measurement)	N	uS/cm			938	--	938	316.0	316.0	519.7	--	519.7	--	--	--	1418	492.7	
Temperature (field measurement)	N	deg C			9.1	--	9.1	10.8	10.8	8.1	--	8.1	--	--	--	10.13	7.7	
Turbidity (field measurement)	N	NTU			6.01	--	6.01	6.48	6.48	9.58	--	9.58	--	--	--	4.45	7.15	
<b>SW1668C</b>																		
PCB 001	N	ng/l			0.339	--	0.286	--	--	--	--	< 0.208 U	--	--	--	< 0.210 U	--	
PCB 002	N	ng/l			< 0.198 U	--	< 0.190 U	--	--	--	--	< 0.208 U	--	--	--	< 0.210 U	--	
PCB 003	N	ng/l			< 0.198 U	--	< 0.190 U	--	--	--	--	< 0.208 U	--	--	--	< 0.210 U	--	
PCB 004	N	ng/l			2.16	--	2.54	--	--	--	--	0.0109 J	--	--	--	4.98	--	
PCB 005	N	ng/l			< 0.0396 U	--	0.00929 J	--	--	--	--	< 0.0416 U	--	--	--	0.0131 J	--	
PCB 006	N	ng/l			0.0666	--	0.0578	--	--	--	--	< 0.0416 U	--	--	--	0.0278 J	--	
PCB 007	N	ng/l			< 0.0396 U	--	< 0.0381 U	--	--	--	--	< 0.0416 U	--	--	--	0.0200 J	--	
PCB 008	N	ng/l			0.316	--	0.297	--	--	--	--	< 0.0416 U	--	--	--	< 0.0419 U	--	
PCB 009	N	ng/l			0.0245 J	--	0.0225 J	--	--	--	--	< 0.0416 U	--	--	--	< 0.0419 U	--	
PCB 010	N	ng/l			0.0833	--	0.0928	--	--	--	--	< 0.0416 U	--	--	--	0.372	--	
PCB 011	N	ng/l			< 0.297 U	--	< 0.286 U	--	--	--	--	< 0.312 U	--	--	--	< 0.314 U	--	
PCB 012+013	N	ng/l			< 0.0792 U	--	< 0.0762 U	--	--	--	--	< 0.0832 U	--	--	--	< 0.0839 U	--	
PCB 014	N	ng/l			< 0.0396 U	--	< 0.0381 U	--	--	--	--	< 0.0416 U	--	--	--	< 0.0419 U	--	
PCB 015	N	ng/l			0.0475	--	0.0515	--	--	--	--	< 0.0416 U	--	--	--	0.0387 J	--	
PCB 016	N	ng/l			0.968	--	1.09	--	--	--	--	< 0.0416 U	--	--	--	0.111	--	
PCB 017	N	ng/l			0.596	--	0.627	--	--	--	--	< 0.0416 U	--	--	--	0.0960	--	
PCB 018+030	N	ng/l			1.93	--	2.16	--	--	--	--	< 0.0832 U	--	--	--	0.197	--	
PCB 019	N	ng/l			1.30	--	1.71	--	--	--	--	< 0.0416 U	--	--	--	0.101	--	
PCB 020+028	N	ng/l			0.585	--	0.664	--	--	--	--	< 0.0832 U	--	--	--	0.0880	--	
PCB 021+033	N	ng/l			0.150	--	0.152	--	--	--	--	< 0.0832 U	--	--	--	0.0285 J	--	
PCB 022	N	ng/l			0.149	--	0.169	--	--	--	--	< 0.0416 U	--	--	--	0.0359 J	--	
PCB 023	N	ng/l			< 0.0396 U	--	< 0.0381 U	--	--	--	--	< 0.0416 U	--	--	--	< 0.0419 U	--	
PCB 024	N	ng/l			0.0254 J	--	0.0342 J	--	--	--	--	< 0.0416 U	--	--	--	< 0.0419 U	--	
PCB 025	N	ng/l			0.0583	--	0.0615	--	--	--	--	< 0.0416 U	--	--	--	0.0117 J	--	
PCB 026+029	N	ng/l			0.175	--	0.187	--	--	--	--	< 0.0832 U	--	--	--	< 0.0839 U	--	
PCB 027	N	ng/l			0.279	--	0.315	--	--	--	--	< 0.0416 U	--	--	--	0.0178 J	--	
PCB 031	N	ng/l			0.450	--	0.507	--	--	--	--	< 0.0416 U	--	--	--	0.0835	--	
PCB 032	N	ng/l			0.855	--	1.01	--	--	--	--	< 0.0416 U	--	--	--	0.0617	--	
PCB 034	N	ng/l			< 0.0396 U	--	< 0.0381 U	--	--	--	--	< 0.0416 U	--	--	--	< 0.0419 U	--	
PCB 035	N	ng/l			0.00769 J	--	0.00943 J	--	--	--	--	< 0.0416 U	--	--	--	< 0.0419 U	--	
PCB 036	N	ng/l			< 0.0396 U	--	< 0.0381 U	--	--	--	--	< 0.0416 U	--	--	--	< 0.0419 U	--	
PCB 037	N	ng/l			0.0453	--	0.0441	--	--	--	--	< 0.0416 U	--	--	--	0.0184 J	--	
PCB 038	N	ng/l			< 0.0396 U	--	< 0.0381 U	--	--	--	--	< 0.0416 U	--	--	--	< 0.0419 U	--	
PCB 039	N	ng/l			< 0.0396 U	--	< 0.0381 U	--	--	--	--	< 0.0416 U	--	--	--	< 0.0419 U		

Table 1 (Draft)  
 Groundwater Analytical Results - Winter 2020  
 Centre dale Manor Restoration Project Superfund Site  
 North Providence, Rhode Island

					Location ID	MW-06S	MW-06S	MW-06S	MW-07D	MW-07D	MW-07S	MW-07S	MW-07S	MW-08SR	MW-08SR	MW-08SR	MW-08SR	MW-09S
					Sample ID	1399532	1399534	1399534	1399438	1399521	1399440	1399523	1399523	1399437	1399520	1399520	1399520	1399458
					Sample Date	1/20/2020	1/20/2020	1/20/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/28/2020
					Test Type	INITIAL	DILUTION	INITIAL	INITIAL	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	INITIAL
					Sample Type	FD	N	N	N	N	N	N	N	N	N	N	N	N
					Sample Class	GWLF	GWLF	GWLF	GWLF_BP	GWLF	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF	GWLF_BP
Constituents	Fraction Class	Units	RI GW Protection GB	ROD TABLE L-4 AMMENDED SA GW														
PCB 042	N	ng/l			0.505	--	0.558	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--	< 0.0839 U	
PCB 043	N	ng/l			0.0447 J	--	0.0676 J	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--	< 0.0839 U	
PCB 044+047+065	N	ng/l			4.05	--	4.61	--	--	--	--	0.182 J	--	--	0.207 J	--		
PCB 045	N	ng/l			0.405	--	0.436	--	--	--	--	< 0.0832 U	--	--	0.0197 J	--		
PCB 046	N	ng/l			0.186	--	0.213	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--		
PCB 048	N	ng/l			0.159	--	0.162	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--		
PCB 049+069	N	ng/l			2.00	--	2.30	--	--	--	--	< 0.166 U	--	--	0.0850 J	--		
PCB 050+53	N	ng/l			0.547	--	0.587	--	--	--	--	< 0.312 U	--	--	< 0.314 U	--		
PCB 051	N	ng/l			< 0.0792 U	--	0.101	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--		
PCB 052	N	ng/l			10.7	13.4	--	--	--	--	--	0.0927	--	--	0.328	--		
PCB 054	N	ng/l			< 0.0792 U	--	0.0123 J	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--		
PCB 055	N	ng/l			< 0.0792 U	--	< 0.0762 U	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--		
PCB 056	N	ng/l			0.274	--	0.334	--	--	--	--	< 0.0832 U	--	--	0.0263 J	--		
PCB 057	N	ng/l			< 0.0792 U	--	< 0.0762 U	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--		
PCB 058	N	ng/l			< 0.0792 U	--	< 0.0762 U	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--		
PCB 059+062+075	N	ng/l			0.157 J	--	0.165 J	--	--	--	--	< 0.249 U	--	--	< 0.252 U	--		
PCB 060	N	ng/l			0.0294 J	--	0.0314 J	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--		
PCB 061+070+074+076	N	ng/l			2.07	--	2.52	--	--	--	--	< 0.333 U	--	--	0.163 J	--		
PCB 063	N	ng/l			0.0158 J	--	0.0175 J	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--		
PCB 064	N	ng/l			0.871	--	1.01	--	--	--	--	< 0.0832 U	--	--	0.0474 J	--		
PCB 066	N	ng/l			0.597	--	0.733	--	--	--	--	0.0136 J	--	--	0.0513 J	--		
PCB 067	N	ng/l			0.0218 J	--	0.0274 J	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--		
PCB 068	N	ng/l			0.0186 J	--	0.0192 J	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--		
PCB 072	N	ng/l			0.0277 J	--	0.0306 J	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--		
PCB 073	N	ng/l			< 0.0792 U	--	< 0.0762 U	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--		
PCB 077	N	ng/l			0.0300 J	--	0.0356 J	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--		
PCB 078	N	ng/l			< 0.0792 U	--	< 0.0762 U	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--		
PCB 079	N	ng/l			0.0378 J	--	0.0357 J	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--		
PCB 080	N	ng/l			< 0.0792 U	--	< 0.0762 U	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--		
PCB 081	N	ng/l			< 0.0792 U	--	< 0.0762 U	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--		
PCB 082	N	ng/l			0.447	--	0.552	--	--	--	--	< 0.0832 U	--	--	0.0413 J	--		
PCB 083	N	ng/l			0.252	--	0.315	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--		
PCB 084	N	ng/l			2.21	--	2.70	--	--	--	--	0.0324 J	--	--	0.0982	--		
PCB 085+116+117	N	ng/l			0.454	--	0.583	--	--	--	--	< 0.249 U	--	--	< 0.252 U	--		
PCB 086+087+097+109+119+125	N	ng/l			2.91	--	3.70	--	--	--	--	< 0.499 U	--	--	0.226 J	--		
PCB 088	N	ng/l			< 0.0792 U	--	< 0.0762 U	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--		
PCB 089	N	ng/l			0.0401 J	--	0.0514 J	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--		
PCB 090+101+113	N	ng/l			4.33	--	5.60	--	--	--	--	0.0689 J	--	--	0.331	--		
PCB 091	N	ng/l			0.591	--	0.735	--	--	--	--	< 0.0832 U	--	--	0.0467 J	--		
PCB 092	N	ng/l			0.909	--	< 0.0762 U	--	--	--	--	0.0181 J	--	--	0.0579 J	--		
PCB 093+100	N	ng/l			< 0.158 U	--	< 0.152 U	--	--	--	--	< 0.166 U	--	--	< 0.168 U	--		
PCB 094	N	ng/l			0.0222 J	--	< 0.0762 U	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--		
PCB 095	N	ng/l																

					Location ID	MW-06S	MW-06S	MW-06S	MW-07D	MW-07D	MW-07S	MW-07S	MW-07S	MW-08SR	MW-08SR	MW-08SR	MW-08SR	MW-09S
					Sample ID	1399532	1399534	1399534	1399438	1399521	1399440	1399523	1399523	1399437	1399520	1399520	1399520	1399458
					Sample Date	1/20/2020	1/20/2020	1/20/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/28/2020
					Test Type	INITIAL	DILUTION	INITIAL	INITIAL	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	INITIAL
					Sample Type	FD	N	N	N	N	N	N	N	N	N	N	N	N
					Sample Class	GWLF	GWLF	GWLF	GWLF_BP	GWLF	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF	GWLF_BP
Constituents	Fraction Class	Units	RI GW Protection GB	ROD TABLE L-4 AMMENDED SA GW														
PCB 098+102	N	ng/l			0.124 J	--	0.167 J	--	--	--	--	< 0.208 U	--	--	< 0.210 U	--	--	
PCB 099	N	ng/l			1.33	--	1.83	--	--	--	--	0.0271 J	--	--	0.128	--	--	
PCB 103	N	ng/l			0.0317 J	--	0.0380 J	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--	--	
PCB 104	N	ng/l			< 0.0792 U	--	< 0.0762 U	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--	--	
PCB 105	N	ng/l			0.485	--	0.631	--	--	--	--	< 0.0832 U	--	--	0.0812 J	--	--	
PCB 106	N	ng/l			< 0.0792 U	--	< 0.0762 U	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--	--	
PCB 107	N	ng/l			0.125	--	0.164	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--	--	
PCB 108+124	N	ng/l			0.101 J	--	0.125 J	--	--	--	--	< 0.166 U	--	--	< 0.168 U	--	--	
PCB 110+115	N	ng/l			5.28	--	6.53	--	--	--	--	0.0790 J	--	--	0.371	--	--	
PCB 111	N	ng/l			< 0.0792 U	--	< 0.0762 U	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--	--	
PCB 112	N	ng/l			< 0.0792 U	--	< 0.0762 U	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--	--	
PCB 114	N	ng/l			0.0179 J	--	0.0243 J	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--	--	
PCB 118	N	ng/l			1.78	--	2.34	--	--	--	--	0.0327 J	--	--	0.213	--	--	
PCB 120	N	ng/l			< 0.0792 U	--	< 0.0762 U	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--	--	
PCB 121	N	ng/l			< 0.0792 U	--	< 0.0762 U	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--	--	
PCB 122	N	ng/l			0.0222 J	--	0.0311 J	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--	--	
PCB 123	N	ng/l			< 0.0792 U	--	0.0284 J	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--	--	
PCB 126	N	ng/l			< 0.0792 U	--	< 0.0762 U	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--	--	
PCB 127	N	ng/l			< 0.0792 U	--	< 0.0762 U	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--	--	
PCB 128+166	N	ng/l			0.255	--	0.368	--	--	--	--	< 0.166 U	--	--	0.0522 J	--	--	
PCB 129+138+163	N	ng/l			1.44	--	2.02	--	--	--	--	< 0.249 U	--	--	0.284	--	--	
PCB 130	N	ng/l			0.107	--	0.144	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--	--	
PCB 131	N	ng/l			0.0345 J	--	0.0486 J	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--	--	
PCB 132	N	ng/l			0.710	--	0.967	--	--	--	--	< 0.0832 U	--	--	0.107	--	--	
PCB 133	N	ng/l			0.0207 J	--	< 0.0762 U	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--	--	
PCB 134	N	ng/l			0.159	--	0.199	--	--	--	--	< 0.0832 U	--	--	0.0225 J	--	--	
PCB 135+151	N	ng/l			0.327	--	0.461	--	--	--	--	< 0.166 U	--	--	0.0523 J	--	--	
PCB 136	N	ng/l			0.216	--	0.291	--	--	--	--	< 0.0832 U	--	--	0.0254 J	--	--	
PCB 137	N	ng/l			0.0776 J	--	0.101	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--	--	
PCB 139+140	N	ng/l			< 0.158 U	--	0.0453 J	--	--	--	--	< 0.166 U	--	--	< 0.168 U	--	--	
PCB 141	N	ng/l			0.223	--	0.303	--	--	--	--	< 0.0832 U	--	--	0.0512 J	--	--	
PCB 142	N	ng/l			< 0.0792 U	--	< 0.0762 U	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--	--	
PCB 143	N	ng/l			< 0.0792 U	--	< 0.0762 U	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--	--	
PCB 144	N	ng/l			0.0499 J	--	0.0683 J	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--	--	
PCB 145	N	ng/l			< 0.0792 U	--	< 0.0762 U	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--	--	
PCB 146	N	ng/l			0.159	--	0.219	--	--	--	--	< 0.0832 U	--	--	0.0296 J	--	--	
PCB 147+149	N	ng/l			1.20	--	1.63	--	--	--	--	< 0.166 U	--	--	0.208	--	--	
PCB 148	N	ng/l			< 0.0792 U	--	< 0.0762 U	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--	--	
PCB 150	N	ng/l			< 0.0792 U	--	< 0.0762 U	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--	--	
PCB 152	N	ng/l			< 0.0792 U	--	< 0.0762 U	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--	--	
PCB 153+168	N	ng/l			0.848	--	1.16	--	--	--	--	< 0.166 U	--	--	0.177	--	--	
PCB 154	N	ng/l			< 0.198 U	--	< 0.190 U	--	--	--	--	< 0.208 U	--	--	< 0.210 U	--	--	

					Location ID	MW-06S	MW-06S	MW-06S	MW-07D	MW-07D	MW-07S	MW-07S	MW-07S	MW-08SR	MW-08SR	MW-08SR	MW-08SR	MW-09S
					Sample ID	1399532	1399534	1399534	1399438	1399521	1399440	1399523	1399523	1399437	1399520	1399520	1399520	1399458
					Sample Date	1/20/2020	1/20/2020	1/20/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/28/2020
					Test Type	INITIAL	DILUTION	INITIAL	INITIAL	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	INITIAL
					Sample Type	FD	N	N	N	N	N	N	N	N	N	N	N	N
					Sample Class	GWLF	GWLF	GWLF	GWLF_BP	GWLF	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF	GWLF_BP
Constituents	Fraction Class	Units	RI GW Protection GB	ROD TABLE L-4 AMMENDED SA GW														
PCB 158	N	ng/l			0.143	--	0.206	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--	< 0.0839 U	
PCB 159	N	ng/l			< 0.0792 U	--	< 0.0762 U	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--	< 0.0839 U	
PCB 160	N	ng/l			< 0.0792 U	--	< 0.0762 U	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--	< 0.0839 U	
PCB 161	N	ng/l			< 0.0792 U	--	< 0.0762 U	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--	< 0.0839 U	
PCB 162	N	ng/l			< 0.0792 U	--	< 0.0762 U	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--	< 0.0839 U	
PCB 164	N	ng/l			0.101	--	0.140	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--	< 0.0839 U	
PCB 165	N	ng/l			< 0.0792 U	--	< 0.0762 U	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--	< 0.0839 U	
PCB 167	N	ng/l			0.0419 J	--	0.0604 J	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--	< 0.0839 U	
PCB 169	N	ng/l			< 0.0792 U	--	< 0.0762 U	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--	< 0.0839 U	
PCB 170	N	ng/l			0.0925	--	0.145	--	--	--	--	< 0.0832 U	--	--	0.0370 J	--	--	
PCB 171+173	N	ng/l			< 0.158 U	--	0.0517 J	--	--	--	--	< 0.166 U	--	--	< 0.168 U	--	< 0.168 U	
PCB 172	N	ng/l			< 0.0792 U	--	0.0216 J	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--	< 0.0839 U	
PCB 174	N	ng/l			0.0857	--	0.132	--	--	--	--	< 0.0832 U	--	--	0.0415 J	--	--	
PCB 175	N	ng/l			< 0.0792 U	--	< 0.0762 U	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--	< 0.0839 U	
PCB 176	N	ng/l			< 0.0792 U	--	0.0160 J	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--	< 0.0839 U	
PCB 177	N	ng/l			0.0460 J	--	0.0711 J	--	--	--	--	< 0.0832 U	--	--	0.0216 J	--	--	
PCB 178	N	ng/l			< 0.0792 U	--	< 0.0762 U	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--	< 0.0839 U	
PCB 179	N	ng/l			0.0281 J	--	0.0398 J	--	--	--	--	< 0.0832 U	--	--	0.0150 J	--	--	
PCB 180+193	N	ng/l			0.132 J	--	0.201	--	--	--	--	< 0.166 U	--	--	0.0753 J	--	--	
PCB 181	N	ng/l			< 0.0792 U	--	< 0.0762 U	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--	< 0.0839 U	
PCB 182	N	ng/l			< 0.0792 U	--	< 0.0762 U	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--	< 0.0839 U	
PCB 183+185	N	ng/l			< 0.158 U	--	0.0715 J	--	--	--	--	< 0.166 U	--	--	< 0.168 U	--	< 0.168 U	
PCB 184	N	ng/l			< 0.0792 U	--	< 0.0762 U	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--	< 0.0839 U	
PCB 186	N	ng/l			< 0.0792 U	--	< 0.0762 U	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--	< 0.0839 U	
PCB 187	N	ng/l			0.0586 J	--	0.0859	--	--	--	--	< 0.0832 U	--	--	0.0419 J	--	--	
PCB 188	N	ng/l			< 0.198 U	--	< 0.190 U	--	--	--	--	< 0.208 U	--	--	< 0.210 U	--	< 0.210 U	
PCB 189	N	ng/l			< 0.0792 U	--	< 0.0762 U	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--	< 0.0839 U	
PCB 190	N	ng/l			< 0.0792 U	--	0.0228 J	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--	< 0.0839 U	
PCB 191	N	ng/l			< 0.0792 U	--	< 0.0762 U	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--	< 0.0839 U	
PCB 192	N	ng/l			< 0.0792 U	--	< 0.0762 U	--	--	--	--	< 0.0832 U	--	--	< 0.0839 U	--	< 0.0839 U	
PCB 194	N	ng/l			< 0.119 U	--	< 0.114 U	--	--	--	--	< 0.125 U	--	--	< 0.126 U	--	< 0.126 U	
PCB 195	N	ng/l			< 0.119 U	--	< 0.114 U	--	--	--	--	< 0.125 U	--	--	< 0.126 U	--	< 0.126 U	
PCB 196	N	ng/l			< 0.119 U	--	< 0.114 U	--	--	--	--	< 0.125 U	--	--	< 0.126 U	--	< 0.126 U	
PCB 197+200	N	ng/l			< 0.238 U	--	< 0.229 U	--	--	--	--	< 0.249 U	--	--	< 0.252 U	--	< 0.252 U	
PCB 198+199	N	ng/l			< 0.238 U	--	< 0.229 U	--	--	--	--	< 0.249 U	--	--	0.108 J	--	--	
PCB 201	N	ng/l			< 0.396 U	--	< 0.381 U	--	--	--	--	< 0.416 U	--	--	< 0.419 U	--	< 0.419 U	
PCB 202	N	ng/l			< 0.119 U	--	< 0.114 U	--	--	--	--	< 0.125 U	--	--	0.0668 J	--	< 0.0668 J	
PCB 203	N	ng/l			< 0.119 U	--	< 0.114 U	--	--	--	--	< 0.125 U	--	--	0.0553 J	--	< 0.0553 J	
PCB 204	N	ng/l			< 0.119 U	--	< 0.114 U	--	--	--	--	< 0.125 U	--	--	< 0.12			

Table 1 (Draft)  
 Groundwater Analytical Results - Winter 2020  
 Centre dale Manor Restoration Project Superfund Site  
 North Providence, Rhode Island

					Location ID	MW-06S	MW-06S	MW-06S	MW-07D	MW-07D	MW-07S	MW-07S	MW-07S	MW-08SR	MW-08SR	MW-08SR	MW-08SR	MW-09S
					Sample ID	1399532	1399534	1399534	1399438	1399521	1399440	1399523	1399523	1399437	1399520	1399520	1399520	1399458
					Sample Date	1/20/2020	1/20/2020	1/20/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/28/2020
					Test Type	INITIAL	DILUTION	INITIAL	INITIAL	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	INITIAL
					Sample Type	FD	N	N	N	N	N	N	N	N	N	N	N	N
					Sample Class	GWLF	GWLF	GWLF	GWLF_BP	GWLF	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF
Constituents	Fraction Class	Units	RI GW Protection GB	ROD TABLE L-4 AMMENDED SA GW														
Toxicity Equivalent - Bird (PCBs)	N	ng/l				0.00308	--	0.00367	--	--	--	0.000000327	--	--	0.0000102	--		
Toxicity Equivalent - Fish (PCBs)	N	ng/l				0.0000273	--	0.0000342	--	--	--	0.000000164	--	--	0.00000147	--		
Toxicity Equivalent (PCBs)	N	ng/l				0.0000767	--	0.000102	--	--	--	0.000000981	--	--	0.00000882	--		
SW6010C																		
Aluminum [Al]	T	mg/L				< 0.10	--	< 0.10	--	< 0.10	--	< 0.10	--	--	< 0.10	--	--	
Barium [Ba]	T	mg/L				0.062	--	0.068	--	0.032	--	--	0.075	--	--	< 0.010	--	
Beryllium [Be]	T	mg/L				< 0.001	--	< 0.001	--	< 0.001	--	--	< 0.001	--	--	< 0.001	--	
Calcium [Ca]	T	mg/L				46.0	--	45.6	--	19.5	--	--	33.6	--	--	30.1	--	
Chromium, Total	T	mg/L				< 0.005	--	< 0.005	--	< 0.005	--	--	< 0.005	--	--	< 0.005	--	
Cobalt [Co]	T	mg/L				< 0.010	--	< 0.010	--	< 0.010	--	--	< 0.010	--	--	< 0.010	--	
Copper [Cu]	T	mg/L				< 0.005	--	< 0.005	--	< 0.005	--	--	< 0.005	--	--	< 0.005	--	
Iron [Fe]	T	mg/L				20.8 H	21.5	20.5 H	--	0.022	--	17.1	16.9 H	--	16.2	16.1 H	--	
Magnesium [Mg]	T	mg/L				4.05	--	3.99	--	2.05	--	--	3.17	--	--	5.20	--	
Manganese [Mn]	T	mg/L				3.06 H	3.15	2.99 H	--	< 0.010	--	1.19	1.16 H	--	1.44	1.41 H	--	
Potassium [K]	T	mg/L				6.34	--	6.33	--	2.34	--	--	5.70	--	--	8.59	--	
Sodium [Na]	T	mg/L				116 H	117	112 H	--	37.1	--	--	50.3	--	134	132 H	--	
Vanadium [V]	T	mg/L				< 0.005	--	< 0.005	--	< 0.005	--	--	< 0.005	--	--	0.005	--	
Zinc [Zn]	T	mg/L				< 0.010	--	< 0.010	--	< 0.010	--	--	< 0.010	--	--	< 0.010	--	
SW6020B																		
Antimony [Sb]	T	mg/L				< 0.0010	--	< 0.0010	--	< 0.0010	--	--	< 0.0010	--	--	< 0.0010	--	
Arsenic [As]	T	mg/L				0.0024	--	0.0025	--	< 0.0010	--	--	0.0020	--	--	0.0048	--	
Cadmium [Cd]	T	mg/L				< 0.0001	--	< 0.0001	--	< 0.0001	--	--	< 0.0001	--	--	< 0.0001	--	
Lead [Pb]	T	mg/L				< 0.0010	--	< 0.0010	--	< 0.0010	--	--	< 0.0010	--	--	0.0021	--	
Nickel [Ni]	T	mg/L				0.003	--	0.003	--	< 0.001	--	--	0.002	--	--	0.004	--	
Selenium [Se]	T	mg/L				< 0.001	--	< 0.001	--	< 0.001	--	--	< 0.001	--	--	< 0.001	--	
Silver [Ag]	T	mg/L				< 0.0005	--	< 0.0005	--	< 0.0005	--	--	< 0.0005	--	--	< 0.0005	--	
Thallium [Tl]	T	mg/L				< 0.0010	--	< 0.0010	--	< 0.0010	--	--	< 0.0010	--	--	< 0.0010	--	
SW7470A																		
Mercury [Hg]	T	mg/L				< 0.0002	--	< 0.0002	--	< 0.0002	--	--	< 0.0002	--	--	< 0.0002	--	
SW8015C																		
TPH C8-C40	N	ug/L				830	--	770	--	--	--	--	< 630 U	--	--	2400	--	
SW8081B																		
4,4-DDD	N	ug/L				< 0.024 U	--	< 0.022 U	--	--	--	--	< 0.021 U	--	--	< 0.021 U	--	
4,4-DDE	N	ug/L				< 0.024 U	--	< 0.022 U	--	--	--	--	< 0.021 U	--	--	< 0.021 U	--	
4,4-DDT	N	ug/L				< 0.024 U	--	< 0.022 U	--	--	--	--	< 0.021 U	--	--	< 0.021 U	--	
Aldrin	N	ug/L				< 0.012 U	--	< 0.011 U	--	--	--	--	< 0.011 U	--	--	< 0.011 U	--	
Alpha Endosulfan (Endosulfan I)	N	ug/L				< 0.012 U	--	< 0.011 U	--	--	--	--	< 0.011 U	--	--	< 0.011 U	--	
Alpha Hexachlorocyclohexane (Alpha-BHC)	N	ug/L				< 0.012 U	--	< 0.011 U	--	--	--	--	< 0.011 U	--	--	< 0.011 U	--	
Alpha-Chlordane (cis-Chlordane)	N	ug/L				0.0058 JP	--	0.0049 JP	--	--	--	--	< 0.011 U	--	--	< 0.011 U	--	
Beta Endosulfan (Endosulfan II)	N	ug/L				< 0.048 U	--	< 0.045 U	--	--	--	--	< 0.043 U	--	--	< 0.043 U	--	
Beta Hexachlorocyclohexane (Beta-BHC)	N	ug/L				0.0059 JP	--	0.0085 J	--	--	--	--	< 0.011 U	--	--	< 0.011 U	--	
Beta-Chlordane (trans-Chlordane)	N	ug/L				< 0.036 U	--	< 0.033 U	--	--	--	--	< 0.032 U	--	--	< 0.032 U	--	
Chlordane	N	ug/L				< 0.60 U	--	< 0.56 U	--	--	--	--	< 0.53 U	--	--	< 0.53 U	--	
Delta Hexachlorocyclohexane (Delta-BHC)	N	ug/L				< 0.012 U	--	< 0.011 U	--	--	--	--	< 0.011 U	--	--	< 0.011 U	--	

Location ID	MW-06S	MW-06S	MW-06S	MW-07D	MW-07D	MW-07S	MW-07S	MW-07S	MW-08SR	MW-08SR	MW-08SR	MW-08SR
	Sample ID	1399532	1399534	1399534	1399438	1399521	1399440	1399523	1399523	1399437	1399520	1399520
	Sample Date	1/20/2020	1/20/2020	1/20/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020
	Test Type	INITIAL	DILUTION	INITIAL	INITIAL	INITIAL	INITIAL	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL
	Sample Type	FD	N	N	N	N	N	N	N	N	N	N
	Sample Class	GWLF	GWLF	GWLF	GWLF_BP	GWLF	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF	GWLF_BP
Constituents	Fraction Class	Units	RI GW Protection GB	ROD TABLE L-4 AMMENDED SA GW								
Dieldrin	N	ug/L			0.0065 J	--	0.0073 J	--	--	--	< 0.021 U	--
Endosulfan Sulfate	N	ug/L			< 0.024 U	--	< 0.022 U	--	--	--	< 0.021 U	--
Endrin	N	ug/L			< 0.036 U	--	< 0.033 U	--	--	--	< 0.032 U	--
Endrin Aldehyde	N	ug/L			< 0.12 U	--	< 0.11 U	--	--	--	< 0.11 U	--
Endrin Ketone	N	ug/L			< 0.024 U	--	< 0.022 U	--	--	--	< 0.021 U	--
Gamma-BHC (Lindane)	N	ug/L			< 0.012 U	--	< 0.011 U	--	--	--	< 0.011 U	--
Heptachlor	N	ug/L			0.0045 JP	--	0.0039 JP	--	--	--	< 0.011 U	--
Heptachlor Epoxide	N	ug/L			< 0.012 UV	--	< 0.011 UV	--	--	--	< 0.011 U	--
Methoxychlor	N	ug/L			< 0.12 U	--	< 0.11 U	--	--	--	< 0.11 U	--
Toxaphene	N	ug/L			< 1.2 U	--	< 1.1 U	--	--	--	< 1.1 U	--
SW8082A												
Aroclor 1016	N	ug/L			< 0.250 U	--	< 0.250 U	--	< 0.250 U	--	< 0.250 U	--
Aroclor 1221	N	ug/L			< 0.250 U	--	< 0.250 U	--	< 0.250 U	--	< 0.250 U	--
Aroclor 1232	N	ug/L			< 0.250 U	--	< 0.250 U	--	< 0.250 U	--	< 0.250 U	--
Aroclor 1242	N	ug/L			< 0.250 U	--	< 0.250 U	--	< 0.250 U	--	< 0.250 U	--
Aroclor 1248	N	ug/L			< 0.250 U	--	< 0.250 U	--	< 0.250 U	--	< 0.250 U	--
Aroclor 1254	N	ug/L			< 0.250 U	--	< 0.250 U	--	< 0.250 U	--	< 0.250 U	--
Aroclor 1260	N	ug/L			< 0.250 U	--	< 0.250 U	--	< 0.250 U	--	< 0.250 U	--
Aroclor 1262	N	ug/L			< 0.250 U	--	< 0.250 U	--	< 0.250 U	--	< 0.250 U	--
Aroclor 1268	N	ug/L			< 0.250 U	--	< 0.250 U	--	< 0.250 U	--	< 0.250 U	--
PCBs, Total	N	ug/L			< 0.250 U	--	< 0.250 U	--	< 0.250 U	--	< 0.250 U	--
SW8260C												
1,1,1,2-Tetrachloroethane	N	ug/L			< 0.50 U	--	< 0.50 U	< 0.50 U	< 0.50 U	--	< 0.50 U	--
1,1,1-Trichloroethane	N	ug/L	3100		< 0.50 U	--	< 0.50 U	< 0.50 U	< 0.50 U	--	< 0.50 U	--
1,1,2,2-Tetrachloroethane	N	ug/L			< 0.50 U	--	< 0.50 U	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	N	ug/L			< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	< 10 U
1,1,2-Trichloroethane	N	ug/L			< 0.75 U	--	< 0.75 U	< 0.75 U	< 0.75 U	--	< 0.75 U	< 0.75 U
1,1-Dichloroethane	N	ug/L			2.2	--	2.1	< 0.75 U	< 0.75 U	--	< 0.75 U	< 0.75 U
1,1-Dichloroethylene	N	ug/L	7		< 0.50 U	--	< 0.50 U	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U
1,1-Dichloropropene	N	ug/L			< 2.5 U	--	< 2.5 U	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U
1,2,3-Trichlorobenzene	N	ug/L			< 2.5 U	--	< 2.5 U	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U
1,2,3-Trichloropropane	N	ug/L			< 5.0 U	--	< 5.0 U	< 5.0 U	< 5.0 U	--	< 5.0 U	< 5.0 U
1,2,4-Trichlorobenzene	N	ug/L			< 2.5 U	--	< 2.5 U	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U
1,2,4-Trimethylbenzene	N	ug/L			< 2.5 U	--	< 2.5 U	< 2.5 U	< 2.5 U	--	< 2.5 U	140
1,2-Dibromo-3-chloropropane	N	ug/L	2	2	< 2.0 U	--	< 2.0 U	< 2.0 U	< 2.0 U	--	< 2.0 U	< 2.0 U
1,2-Dichlorobenzene	N	ug/L			< 2.5 U	--	< 2.5 U	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U
1,2-Dichloroethane	N	ug/L	110		< 0.50 U	--	< 0.50 U	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U
1,2-Dichloropropane	N	ug/L	3000		< 1.8 U	--	< 1.8 U	< 1.8 U	< 1.8 U	--	< 1.8 U	< 1.8 U
1,3,5-Trimethylbenzene	N	ug/L			< 2.5 U	--	< 2.5 U	< 2.5 U	< 2.5 U	--	< 2.5 U	34
1,3-Dichlorobenzene	N	ug/L			< 2.5 U	--	< 2.5 U	< 2.5 U	< 2.5 U	--	< 2.5 U	42
1,3-Dichloropropane	N	ug/L			< 2.5 U	--	< 2.5 U	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U
1,4-Dichlorobenzene	N	ug/L			< 2.5 U	--	< 2.5 U	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U
2,2-Dichloropropane	N	ug/L			< 2.5 U	--	< 2.5 U	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U
2-Butanone (MEK)	N	ug/L			< 5.0 U	--	< 5.0 U	< 5.0 U	< 5.0 U	--	< 5.0 U	< 5.0 U

				Location ID Sample ID Sample Date Test Type Sample Type Sample Class	MW-06S	MW-06S	MW-06S	MW-07D	MW-07D	MW-07S	MW-07S	MW-07S	MW-08SR	MW-08SR	MW-08SR	MW-08SR	MW-09S
					1399532	1399534	1399534	1399438	1399521	1399440	1399523	1399523	1399437	1399520	1399520	1399458	
					1/20/2020	1/20/2020	1/20/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/28/2020
					INITIAL	DILUTION	INITIAL	INITIAL	INITIAL	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL
					FD	N	N	N	N	N	N	N	N	N	N	N	N
Constituents	Fraction Class	Units	RI GW Protection GB	ROD TABLE L-4 AMMENDED SA GW													
2-Chlorotoluene	N	ug/L			< 2.5 U	--	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U	
2-Hexanone	N	ug/L			< 5.0 U	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	--	< 5.0 U	< 5.0 U	--	< 5.0 U	< 5.0 U	
4-Chlorotoluene	N	ug/L			< 2.5 U	--	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U	
4-Isopropyltoluene (p-Cymene)	N	ug/L			< 0.50 U	--	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	--	< 0.50 U	0.95	--	1.2	< 0.50 U	
Acetone	N	ug/L			< 5.0 U	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	--	< 5.0 U	< 5.0 U	--	< 5.0 U	< 5.0 U	
Acrylonitrile	N	ug/L			< 5.0 U	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	--	< 5.0 U	< 5.0 U	--	< 5.0 U	< 5.0 U	
Benzene	N	ug/L	140		1.6	--	1.5	< 0.50 U	< 0.50 U	< 0.50 U	--	< 0.50 U	6.5	--	6.8	3.2	
Bromobenzene	N	ug/L			< 2.5 U	--	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U	
Bromodichloromethane	N	ug/L			< 0.50 U	--	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	
Bromoform	N	ug/L			< 2.0 U	--	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	--	< 2.0 U	< 2.0 U	--	< 2.0 U	< 2.0 U	
Bromomethane	N	ug/L			1.1	--	1.6	< 1.0 U	< 1.0 U	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U	< 1.0 U	
Carbon Disulfide	N	ug/L			< 5.0 U	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	--	< 5.0 U	< 5.0 U	--	< 5.0 U	< 5.0 U	
Carbon Tetrachloride	N	ug/L	70		< 0.50 U	--	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	
Chlorobenzene	N	ug/L	3200		18	--	18	< 0.50 U	< 0.50 U	< 0.50 U	--	< 0.50 U	14	--	16	1.9	
Chloroethane	N	ug/L			3.1	--	3.0	< 1.0 U	< 1.0 U	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U	< 1.0 U	
Chloroform	N	ug/L			< 0.75 U	--	< 0.75 U	< 0.75 U	< 0.75 U	< 0.75 U	--	< 0.75 U	< 0.75 U	--	< 0.75 U	< 0.75 U	
Chloromethane	N	ug/L			< 2.5 U	--	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U	
cis-1,2-Dichloroethylene	N	ug/L	2400		1.6	--	1.6	< 0.50 U	< 0.50 U	1.3	--	1.4	5.6	--	5.6	5.7	
cis-1,3-Dichloropropene	N	ug/L			< 0.50 U	--	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	
Dibromochloromethane	N	ug/L			< 0.50 U	--	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	
Dibromomethane	N	ug/L			< 5.0 U	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	--	< 5.0 U	< 5.0 U	--	< 5.0 U	< 5.0 U	
Dichlorodifluoromethane	N	ug/L			< 5.0 U	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	--	< 5.0 U	< 5.0 U	--	< 5.0 U	< 5.0 U	
Ethylbenzene	N	ug/L	1600		< 0.50 U	--	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	--	< 0.50 U	2.5	--	3.2	< 0.50 U	
Ethylene Dibromide (EDB)	N	ug/L			< 2.0 U	--	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	--	< 2.0 U	< 2.0 U	--	< 2.0 U	< 2.0 U	
Hexachlorobutadiene	N	ug/L			< 0.50 U	--	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	
Isopropylbenzene (cumene)	N	ug/L			< 0.50 U	--	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	--	< 0.50 U	3.2	--	4.0	< 0.50 U	
Methyl Isobutyl Ketone (MIBK)	N	ug/L			< 5.0 U	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	--	< 5.0 U	< 5.0 U	--	< 5.0 U	< 5.0 U	
Methyl tert-Butyl Ether (MTBE)	N	ug/L	5000		< 1.0 U	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U	< 1.0 U	
Methylene Chloride	N	ug/L			< 3.0 U	--	< 3.0 U	< 3.0 U	< 3.0 U	< 3.0 U	--	< 3.0 U	< 3.0 U	--	< 3.0 U	< 3.0 U	
Naphthalene	N	ug/L			< 2.5 U	--	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	--	< 2.5 U	2.8	--	3.2	< 2.5 U	
n-Butylbenzene	N	ug/L			< 0.50 U	--	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	
n-Propylbenzene	N	ug/L			< 0.50 U	--	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	--	< 0.50 U	13	--	16	< 0.50 U	
sec-Butylbenzene	N	ug/L			< 0.50 U	--	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	
Styrene	N	ug/L	2200		< 1.0 U	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U	< 1.0 U	
t-Butylbenzene	N	ug/L			< 2.5 U	--	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U	
Tetrachloroethylene (PCE)	N	ug/L	150	150	< 0.50 U	--	< 0.50 U	2.8	1.8	13	--						

					Location ID	MW-06S	MW-06S	MW-06S	MW-07D	MW-07D	MW-07S	MW-07S	MW-07S	MW-08SR	MW-08SR	MW-08SR	MW-08SR	MW-09S	
					Sample ID	1399532	1399534	1399534	1399438	1399521	1399440	1399523	1399523	1399437	1399520	1399520	1399520	1399458	
					Sample Date	1/20/2020	1/20/2020	1/20/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/28/2020	
					Test Type	INITIAL	DILUTION	INITIAL	INITIAL	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	INITIAL	
					Sample Type	FD	N	N	N	N	N	N	N	N	N	N	N	N	
					Sample Class	GWLF	GWLF	GWLF	GWLF_BP	GWLF	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF	
					Constituents	Fraction Class	Units	RI GW Protection GB	ROD TABLE L-4 AMMENDED SA GW										
					Xylene, o-	N	ug/L		< 1.0 U	--	< 1.0 U	< 1.0 U	< 1.0 U	--	< 1.0 U	21	--	28	< 1.0 U
					Xylenes, m- & p-	N	ug/L		< 1.0 U	--	< 1.0 U	< 1.0 U	< 1.0 U	--	< 1.0 U	24	--	31	< 1.0 U
					Xylenes, Total	N	ug/L		< 1.0 U	--	< 1.0 U	< 1.0 U	< 1.0 U	--	< 1.0 U	45	--	59	< 1.0 U
<b>SW8270D</b>																			
1,1-Biphenyl (1,1-Diphenyl)	N	ug/L			< 11 U	--	< 11 U	--	--	--	--	--	< 11 U	--	--	< 11 U	--		
1,2,4,5-Tetrachlorobenzene	N	ug/L			< 2 U	--	< 2 U	--	--	--	--	--	< 2 U	--	--	< 2 U	--		
1,2,4-Trichlorobenzene	N	ug/L			< 2 U	--	< 2 U	--	--	--	--	--	< 2 U	--	--	< 2 U	--		
2,4,5-Trichlorophenol	N	ug/L			< 2 U	--	< 2 U	--	--	--	--	--	< 2 U	--	--	< 2 U	--		
2,4,6-Trichlorophenol	N	ug/L			< 2 U	--	< 2 U	--	--	--	--	--	< 2 U	--	--	< 2 U	--		
2,4-Dichlorophenol	N	ug/L			< 2 U	--	< 2 U	--	--	--	--	--	< 2 U	--	--	< 2 U	--		
2,4-Dimethylphenol	N	ug/L			< 11 U	--	< 11 U	--	--	--	--	--	< 11 U	--	--	< 11 U	--		
2,4-Dinitrophenol	N	ug/L			< 32 U	--	< 32 U	--	--	--	--	--	< 32 U	--	--	< 32 U	--		
2,4-Dinitrotoluene	N	ug/L			< 5 U	--	< 5 U	--	--	--	--	--	< 5 U	--	--	< 5 U	--		
2,6-Dinitrotoluene	N	ug/L			< 2 U	--	< 2 U	--	--	--	--	--	< 2 U	--	--	< 2 U	--		
2-Chloronaphthalene	N	ug/L			< 1 U	--	< 1 U	--	--	--	--	--	< 1 U	--	--	< 1 U	--		
2-Chlorophenol	N	ug/L			< 2 U	--	< 2 U	--	--	--	--	--	< 2 U	--	--	< 2 U	--		
2-Methyl-4,6-Dinitrophenol	N	ug/L			< 22 U	--	< 23 U	--	--	--	--	--	< 22 U	--	--	< 22 U	--		
2-Methylnaphthalene	N	ug/L			< 0.5 U	--	< 0.5 U	--	--	--	--	--	< 0.5 U	--	--	< 0.5 U	--		
2-Methylphenol (o-Cresol)	N	ug/L			< 2 U	--	< 2 U	--	--	--	--	--	< 2 U	--	--	< 2 U	--		
2-Nitroaniline	N	ug/L			< 7 U	--	< 8 U	--	--	--	--	--	< 7 U	--	--	< 7 U	--		
2-Nitrophenol	N	ug/L			< 11 U	--	< 11 U	--	--	--	--	--	< 11 U	--	--	< 11 U	--		
3,3-Dichlorobenzidine	N	ug/L			< 11 U	--	< 11 U	--	--	--	--	--	< 11 U	--	--	< 11 U	--		
3-Nitroaniline	N	ug/L			< 7 U	--	< 8 U	--	--	--	--	--	< 7 U	--	--	< 7 U	--		
4-Bromophenyl-phenyl ether	N	ug/L			< 2 U	--	< 2 U	--	--	--	--	--	< 2 U	--	--	< 2 U	--		
4-Chloro-3-methylphenol	N	ug/L			< 4 U	--	< 4 U	--	--	--	--	--	< 2 U	--	--	< 2 U	--		
4-Chloroaniline	N	ug/L			< 11 U	--	< 11 U	--	--	--	--	--	< 11 U	--	--	< 11 U	--		
4-Chlorophenyl-phenyl ether	N	ug/L			< 2 U	--	< 2 U	--	--	--	--	--	< 2 U	--	--	< 2 U	--		
4-Nitroaniline	N	ug/L			< 3 U	--	< 3 U	--	--	--	--	--	< 3 U	--	--	< 3 U	--		
4-Nitrophenol	N	ug/L			< 32 U	--	< 32 U	--	--	--	--	--	< 32 U	--	--	< 32 U	--		
Acenaphthene	N	ug/L			< 0.5 U	--	< 0.5 U	--	--	--	--	--	< 0.5 U	--	--	< 0.5 U	--		
Acenaphthylene	N	ug/L			< 0.5 U	--	< 0.5 U	--	--	--	--	--	< 0.5 U	--	--	< 0.5 U	--		
Anthracene	N	ug/L			< 0.5 U	--	< 0.5 U	--	--	--	--	--	< 0.5 U	--	--	< 0.5 U	--		
Benzo(a)anthracene	N	ug/L			< 0.5 U	--	< 0.5 U	--	--	--	--	--	< 0.5 U	--	--	< 0.5 U	--		
Benzo(a)pyrene	N	ug/L			< 0.5 U	--	< 0.5 U	--	--	--	--	--	< 0.5 U	--	--	< 0.5 U	--		
Benzo(b)fluoranthene	N	ug/L			< 0.5 U	--	< 0.5 U	--	--	--	--	--	< 0.5 U	--	--	< 0.5 U	--		
Benzo(g,h,i)perylene	N	ug/L			< 0.5 U	--	< 0.5 U	--	--	--	--	--	< 0.5 U	--	--	< 0.5 U	--		
Benzo(k)fluoranthene	N	ug/L			< 0.5 U	--	< 0.5 U	--	--	--	--	--	< 0.5 U	--	--	< 0.5 U	--		
bis (2-Chloroethyl) ether	N	ug/L			< 2 U	--	< 2 U	--	--	--	--	--	< 2 U	--	--	< 2 U	--		
bis(2-Chloroethoxy)methane	N	ug/L			< 2 U	--	< 2 U	--	--	--	--	--	< 2 U	--	--	< 2 U	--		
bis(2-Chloroisopropyl)ether	N	ug/L			< 2 U	--	< 2 U	--	--	--	--	--	< 2 U	--	--	< 2 U	--		
bis(2-ethylhexyl) Phthalate	N	ug/L			< 12 U	--	< 12 U	--	--	--	--	--	< 12 U	--	--	< 12 U	--		
Butyl Benzyl Phthalate	N	ug/L			< 5 U	--	< 5 U	--	--	--	--	--	< 5 U	--	--	< 5 U	--		
Carbazole	N	ug/L			< 2 U	--	< 2 U	--	--	--	--	--	< 2 U	--	--	< 2 U	--		
Chrysene	N	ug/L			< 0.5 U	--	< 0.												

					Location ID	MW-06S	MW-06S	MW-06S	MW-07D	MW-07D	MW-07S	MW-07S	MW-07S	MW-08SR	MW-08SR	MW-08SR	MW-08SR	MW-09S
					Sample ID	1399532	1399534	1399534	1399438	1399521	1399440	1399523	1399523	1399437	1399520	1399520	1399520	1399458
					Sample Date	1/20/2020	1/20/2020	1/20/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/28/2020
					Test Type	INITIAL	DILUTION	INITIAL	INITIAL	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	INITIAL
					Sample Type	FD	N	N	N	N	N	N	N	N	N	N	N	N
					Sample Class	GWLF	GWLF	GWLF	GWLF_BP	GWLF	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF
Constituents	Fraction Class	Units	RI GW Protection GB	ROD TABLE L-4 AMMENDED SA GW														
Dibenzo(a,h)anthracene	N	ug/L			< 0.5 U	--	< 0.5 U	--	--	--	--	< 0.5 U	--	--	< 0.5 U	--	--	
Dibenzofuran	N	ug/L			< 2 U	--	< 2 U	--	--	--	--	< 2 U	--	--	< 2 U	--	--	
Diethyl Phthalate	N	ug/L			< 5 U	--	< 5 U	--	--	--	--	< 5 U	--	--	< 5 U	--	--	
Dimethyl Phthalate	N	ug/L			< 5 U	--	< 5 U	--	--	--	--	< 5 U	--	--	< 5 U	--	--	
Di-n-butyl Phthalate	N	ug/L			< 5 U	--	< 5 U	--	--	--	--	< 5 U	--	--	< 5 U	--	--	
Di-n-octyl Phthalate	N	ug/L			< 12 U	--	< 12 U	--	--	--	--	< 12 U	--	--	< 12 U	--	--	
Fluoranthene	N	ug/L			< 0.5 U	--	< 0.5 U	--	--	--	--	< 0.5 U	--	--	< 0.5 U	--	--	
Fluorene	N	ug/L			< 0.5 U	--	< 0.5 U	--	--	--	--	< 0.5 U	--	--	< 0.5 U	--	--	
Hexachlorobenzene	N	ug/L			< 0.5 U	--	< 0.5 U	--	--	--	--	< 0.5 U	--	--	< 0.5 U	--	--	
Hexachlorobutadiene	N	ug/L			< 2 U	--	< 2 U	--	--	--	--	< 2 U	--	--	< 2 U	--	--	
Hexachlorocyclopentadiene	N	ug/L			< 12 U	--	< 12 U	--	--	--	--	< 12 U	--	--	< 12 U	--	--	
Hexachloroethane	N	ug/L			< 5 U	--	< 5 U	--	--	--	--	< 5 U	--	--	< 5 U	--	--	
Indeno(1,2,3-c,d)pyrene	N	ug/L			< 0.5 U	--	< 0.5 U	--	--	--	--	< 0.5 U	--	--	< 0.5 U	--	--	
Isophorone	N	ug/L			< 2 U	--	< 2 U	--	--	--	--	< 2 U	--	--	< 2 U	--	--	
m- & p- Cresol	N	ug/L			< 2 U	--	< 2 U	--	--	--	--	< 2 U	--	--	< 2 U	--	--	
Naphthalene	N	ug/L			0.5	--	0.3 J	--	--	--	--	< 0.5 U	--	--	1	--	--	
Nitrobenzene	N	ug/L			< 2 U	--	< 2 U	--	--	--	--	< 2 U	--	--	< 2 U	--	--	
n-Nitroso-di-n-propylamine	N	ug/L			< 3 U	--	< 3 U	--	--	--	--	< 3 U	--	--	< 3 U	--	--	
n-Nitrosodiphenylamine	N	ug/L			< 3 U	--	< 3 U	--	--	--	--	< 3 U	--	--	< 3 U	--	--	
Pentachloronitrobenzene	N	ug/L			< 5 U	--	< 5 U	--	--	--	--	< 5 U	--	--	< 5 U	--	--	
Pentachlorophenol	N	ug/L			< 5 U	--	< 5 U	--	--	--	--	< 5 U	--	--	< 5 U	--	--	
Phenanthrene	N	ug/L			< 0.5 U	--	< 0.5 U	--	--	--	--	< 0.5 U	--	--	0.3 J	--	--	
Phenol	N	ug/L			< 2 U	--	< 2 U	--	--	--	--	< 2 U	--	--	< 2 U	--	--	
Pyrene	N	ug/L			< 0.5 U	--	< 0.5 U	--	--	--	--	< 0.5 U	--	--	< 0.5 U	--	--	
SW8290A																		
1234678-HpCDD	N	pg/l			0.731 JBQ	--	1.80 JBQ	--	--	--	--	1.22 JB	--	--	2.37 JB	--	--	
1234678-HpCDF	N	pg/l			1.06 JBQ	--	1.53 JBQ	--	--	--	--	1.03 JB	--	--	2.04 JB	--	--	
1234789-HpCDF	N	pg/l			1.28 JBQ	--	0.471 JBQ	--	--	--	--	0.696 JBQ	--	--	0.510 JBQ	--	--	
123478-HxCDD	N	pg/l			< 25.3 U	--	0.204 JBQ	--	--	--	--	< 25.5 U	--	--	0.231 JBQ	--	--	
123478-HxCDF	N	pg/l			0.533 JBQ	--	0.534 JBQ	--	--	--	--	0.308 JBQ	--	--	0.426 JBQ	--	--	
123678-HxCDD	N	pg/l			< 25.3 U	--	< 27.9 U	--	--	--	--	0.357 JBQ	--	--	< 26.0 U	--	--	
123678-HxCDF	N	pg/l			0.124 JBQ	--	0.174 JBQ	--	--	--	--	0.404 JBQ	--	--	0.215 JBQ	--	--	
123789-HxCDD	N	pg/l			< 25.3 U	--	< 27.9 U	--	--	--	--	0.203 JBQ	--	--	0.292 JBQ	--	--	
123789-HxCDF	N	pg/l			0.424 JBQ	--	0.159 JBQ	--	--	--	--	0.196 JBQ	--	--	0.229 JBQ	--	--	
12378-PeCDD	N	pg/l			< 25.3 U	--	< 27.9 U	--	--	--	--	< 25.5 U	--	--	0.323 JBQ	--	--	
12378-PeCDF	N	pg/l			0.327 JBQ	--	0.431 JBQ	--	--	--	--	0.651 JBQ	--	--	0.797 JB	--	--	
234678-HxCDF	N	pg/l			0.236 JBQ	--	0.332 JBQ	--	--	--	--	0.346 JBQ	--	--	< 26.0 U	--	--	
23478-PeCDF	N	pg/l			< 25.3 U	--	0.184 JBQ	--	--	--	--	0.630 JBQ	--	--	0.140 JBQ	--	--	
2378-TCDD	N	pg/l		1800	< 5.06 U	--	< 5.58 U	--	--	--	--	0.338 JBQ	--	--	0.0824 JBQ	--	--	
2378-TCDF	N	pg/l			< 5.06 U	--	< 5.58 U	--	--	--	--	< 5.10 U	--	--	< 5.20 U	--	--	
OCDD	N	pg/l			4.67 JBQ	--	1.44 JBQ	--	--	--	--	1.04 JBQ	--	--	7.47 JBQ	--	--	
OCDF	N	pg/l			1.90 JBQ	--	1.63 JB	--	--	--	--	1.62 JBQ	--	--	1.76 JBQ	--	--	
Toxicity Equivalent	N	pg/l			0.174	--	0.247	--	--	--	--	0.758	--	--	0.662	--	--	
Toxicity Equivalent-Bird	N	pg/l			0.189	--	0.380	--	--	--	--	1.20	--	--	0.781	--	--	

**Draft**

Table 1 (Draft)  
 Groundwater Analytical Results - Winter 2020  
 Centre dale Manor Restoration Project Superfund Site  
 North Providence, Rhode Island

Location ID	MW-06S	MW-06S	MW-06S	MW-07D	MW-07D	MW-07S	MW-07S	MW-07S	MW-08SR	MW-08SR	MW-08SR	MW-08SR
	Sample ID	1399532	1399534	1399534	1399438	1399521	1399440	1399523	1399523	1399437	1399520	1399520
	Sample Date	1/20/2020	1/20/2020	1/20/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/28/2020
	Test Type	INITIAL	DILUTION	INITIAL	INITIAL	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL
	Sample Type	FD	N	N	N	N	N	N	N	N	N	N
	Sample Class	GWLF	GWLF	GWLF	GWLF_BP	GWLF	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF	GWLF_BP
Constituents	Fraction Class	Units	RI GW Protection GB	ROD TABLE L-4 AMMENDED SA GW								
Toxicity Equivalent-Fish	N	pg/l			0.173	--	0.358	--	--	--	0.835	--
												0.749
												--

					Location ID	MW-09S	MW-09S	MW-10B	MW-10B	MW-10B	MW-10D	MW-10D	MW-10D	MW-11B	MW-11M	MW-11S	MW-12D	
					Sample ID	1399542	1399542	1399449	1399535	1399535	1399444	1399530	1399530	1399524	1399519	1399522	1399457	
					Sample Date	1/28/2020	1/28/2020	1/14/2020	1/14/2020	1/14/2020	1/14/2020	1/14/2020	1/14/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/22/2020
					Test Type	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	INITIAL	INITIAL	INITIAL	
					Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	
					Sample Class	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF	GWLF	GWLF	GWLF_BP	
Constituents	Fraction Class	Units	RI GW Protection GB	ROD TABLE L-4 AMMENDED SA GW														
<b>FIELD MEASURE</b>																		
Dissolved Oxygen (field measurement)	N	mg/L			--	0.28	1.48	--	1.48	1.01	--	1.01	3.63	7.16	9.53	5.54		
Oxidation-Reduction Potential (field measurement)	N	mV			--	-345.4	255.3	--	255.3	-343.1	--	-343.1	303.8	-208.2	-155.8	260.7		
pH (field measurement)	N	SU			--	6.45	6.07	--	6.07	5.98	--	5.98	6.33	5.37	5.93	5.81		
Specific Conductivity (field measurement)	N	uS/cm			--	492.7	1474	--	1474	1147	--	1147	323.0	435.7	605.4	698.0		
Temperature (field measurement)	N	deg C			--	7.7	10.5	--	10.5	10.9	--	10.9	10.8	11.2	11.8	11.4		
Turbidity (field measurement)	N	NTU			--	7.15	4.98	--	4.98	3.75	--	3.75	3.14	2.53	8.21	3.66		
<b>SW1668C</b>																		
PCB 001	N	ng/l			--	15.4 E	--	--	< 0.202 U	--	--	< 0.206 U	< 0.230 U	< 0.213 U	< 0.217 U	--		
PCB 002	N	ng/l			--	< 0.200 U	--	--	< 0.202 U	--	--	< 0.206 U	< 0.230 U	< 0.213 U	< 0.217 U	--		
PCB 003	N	ng/l			--	< 0.200 U	--	--	< 0.202 U	--	--	< 0.206 U	< 0.230 U	< 0.213 U	< 0.217 U	--		
PCB 004	N	ng/l			--	3.88	--	--	< 0.0404 U	--	--	< 0.0413 U	< 0.0460 U	0.0109 J	< 0.0434 U	--		
PCB 005	N	ng/l			--	0.0350 J	--	--	< 0.0404 U	--	--	< 0.0413 U	< 0.0460 U	0.0147 J	< 0.0434 U	--		
PCB 006	N	ng/l			--	0.244	--	--	< 0.0404 U	--	--	< 0.0413 U	< 0.0460 U	< 0.0426 U	< 0.0434 U	--		
PCB 007	N	ng/l			--	< 0.0400 U	--	--	< 0.0404 U	--	--	< 0.0413 U	< 0.0460 U	< 0.0426 U	< 0.0434 U	--		
PCB 008	N	ng/l			--	0.840	--	--	< 0.0404 U	--	--	< 0.0413 U	< 0.0460 U	< 0.0426 U	< 0.0434 U	--		
PCB 009	N	ng/l			--	0.0999	--	--	< 0.0404 U	--	--	< 0.0413 U	< 0.0460 U	< 0.0426 U	< 0.0434 U	--		
PCB 010	N	ng/l			--	0.235	--	--	< 0.0404 U	--	--	< 0.0413 U	< 0.0460 U	< 0.0426 U	< 0.0434 U	--		
PCB 011	N	ng/l			--	< 0.300 U	--	--	< 0.303 U	--	--	< 0.310 U	< 0.345 U	< 0.319 U	< 0.325 U	--		
PCB 012+013	N	ng/l			--	< 0.0800 U	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--		
PCB 014	N	ng/l			--	< 0.0400 U	--	--	< 0.0404 U	--	--	< 0.0413 U	< 0.0460 U	< 0.0426 U	< 0.0434 U	--		
PCB 015	N	ng/l			--	0.0370 J	--	--	< 0.0404 U	--	--	< 0.0413 U	< 0.0460 U	< 0.0426 U	< 0.0434 U	--		
PCB 016	N	ng/l			--	0.276	--	--	< 0.0404 U	--	--	< 0.0413 U	< 0.0460 U	< 0.0426 U	< 0.0434 U	--		
PCB 017	N	ng/l			--	0.223	--	--	0.00661 J	--	--	< 0.0413 U	< 0.0460 U	< 0.0426 U	< 0.0434 U	--		
PCB 018+030	N	ng/l			--	0.563	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--		
PCB 019	N	ng/l			--	0.142	--	--	< 0.0404 U	--	--	< 0.0413 U	< 0.0460 U	< 0.0426 U	< 0.0434 U	--		
PCB 020+028	N	ng/l			--	0.253	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--		
PCB 021+033	N	ng/l			--	0.124	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--		
PCB 022	N	ng/l			--	0.0858	--	--	< 0.0404 U	--	--	< 0.0413 U	< 0.0460 U	< 0.0426 U	< 0.0434 U	--		
PCB 023	N	ng/l			--	< 0.0400 U	--	--	< 0.0404 U	--	--	< 0.0413 U	< 0.0460 U	< 0.0426 U	< 0.0434 U	--		
PCB 024	N	ng/l			--	< 0.0400 U	--	--	< 0.0404 U	--	--	< 0.0413 U	< 0.0460 U	< 0.0426 U	< 0.0434 U	--		
PCB 025	N	ng/l			--	0.0242 J	--	--	< 0.0404 U	--	--	< 0.0413 U	< 0.0460 U	< 0.0426 U	< 0.0434 U	--		
PCB 026+029	N	ng/l			--	0.0688 J	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--		
PCB 027	N	ng/l			--	0.0415	--	--	< 0.0404 U	--	--	< 0.0413 U	< 0.0460 U	< 0.0426 U	< 0.0434 U	--		
PCB 031	N	ng/l			--	0.294	--	--	< 0.0404 U	--	--	< 0.0413 U	< 0.0460 U	< 0.0426 U	< 0.0434 U	--		
PCB 032	N	ng/l			--	0.137	--	--	< 0.0404 U	--	--	< 0.0413 U	< 0.0460 U	< 0.0426 U	< 0.0434 U	--		
PCB 034	N	ng/l			--	< 0.0400 U	--	--	< 0.0404 U	--	--	< 0.0413 U	< 0.0460 U	< 0.0426 U	< 0.0434 U	--		
PCB 035	N	ng/l			--	< 0.0400 U	--	--	< 0.0404 U	--	--	< 0.0413 U	< 0.0460 U	< 0.0426 U	< 0.0434 U	--		
PCB 036	N	ng/l			--	< 0.0400 U	--	--</										

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 Groundwater Analytical Results - Winter 2020  
 Centre dale Manor Restoration Project Superfund Site  
 North Providence, Rhode Island

				Location ID Sample ID Sample Date Test Type Sample Type Sample Class	MW-09S	MW-09S	MW-10B	MW-10B	MW-10B	MW-10D	MW-10D	MW-10D	MW-11B	MW-11M	MW-11S	MW-12D
					1399542	1399542	1399449	1399535	1399535	1399444	1399530	1399530	1399524	1399519	1399522	1399457
					1/28/2020	1/28/2020	1/14/2020	1/14/2020	1/14/2020	1/14/2020	1/14/2020	1/14/2020	1/7/2020	1/7/2020	1/7/2020	1/22/2020
					DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	INITIAL	INITIAL	INITIAL
					N	N	N	N	N	N	N	N	N	N	N	N
					GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF	GWLF	GWLF	GWLF_BP
Constituents	Fraction Class	Units	RI GW Protection GB	ROD TABLE L-4 AMMENDED SA GW												
PCB 042	N	ng/l			--	0.0621 J	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--
PCB 043	N	ng/l			--	< 0.0800 U	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--
PCB 044+047+065	N	ng/l			--	0.424	--	--	0.163 J	--	--	0.137 J	< 0.276 U	< 0.255 U	< 0.260 U	--
PCB 045	N	ng/l			--	0.0452 J	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--
PCB 046	N	ng/l			--	0.0220 J	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--
PCB 048	N	ng/l			--	< 0.0800 U	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--
PCB 049+069	N	ng/l			--	0.263	--	--	< 0.162 U	--	--	< 0.165 U	< 0.184 U	< 0.170 U	< 0.174 U	--
PCB 050+53	N	ng/l			--	< 0.300 U	--	--	< 0.303 U	--	--	< 0.310 U	< 0.345 U	< 0.319 U	< 0.325 U	--
PCB 051	N	ng/l			--	< 0.0800 U	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--
PCB 052	N	ng/l			--	0.976	--	--	0.0250 J	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--
PCB 054	N	ng/l			--	< 0.0800 U	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--
PCB 055	N	ng/l			--	< 0.0800 U	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--
PCB 056	N	ng/l			--	0.0788 J	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--
PCB 057	N	ng/l			--	< 0.0800 U	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--
PCB 058	N	ng/l			--	< 0.0800 U	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--
PCB 059+062+075	N	ng/l			--	< 0.240 U	--	--	< 0.242 U	--	--	< 0.248 U	< 0.276 U	< 0.255 U	< 0.260 U	--
PCB 060	N	ng/l			--	0.0193 J	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--
PCB 061+070+074+076	N	ng/l			--	0.550	--	--	< 0.323 U	--	--	< 0.330 U	< 0.368 U	< 0.340 U	< 0.347 U	--
PCB 063	N	ng/l			--	< 0.0800 U	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--
PCB 064	N	ng/l			--	0.0952	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--
PCB 066	N	ng/l			--	0.164	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--
PCB 067	N	ng/l			--	< 0.0800 U	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--
PCB 068	N	ng/l			--	< 0.0800 U	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--
PCB 072	N	ng/l			--	< 0.0800 U	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--
PCB 073	N	ng/l			--	< 0.0800 U	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--
PCB 077	N	ng/l			--	0.0123 J	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--
PCB 078	N	ng/l			--	< 0.0800 U	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--
PCB 079	N	ng/l			--	< 0.0800 U	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--
PCB 080	N	ng/l			--	< 0.0800 U	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--
PCB 081	N	ng/l			--	< 0.0800 U	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--
PCB 082	N	ng/l			--	0.0194 J	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--
PCB 083	N	ng/l			--	< 0.0800 U	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--
PCB 084	N	ng/l			--	0.0881	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--
PCB 085+116+117	N	ng/l			--	< 0.240 U	--	--	< 0.242 U	--	--	< 0.248 U	< 0.276 U	< 0.255 U	< 0.260 U	--
PCB 086+087+097+109+119+125	N	ng/l			--	0.252 J	--	--	< 0.485 U	--	--	< 0.495 U	< 0.552 U	< 0.511 U	< 0.521 U	--
PCB 088	N	ng/l			--	< 0.0800 U	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--
PCB 089	N	ng/l			--	< 0.0800 U	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--
PCB 090+101+113	N	ng/l			--	0.716	--	--	< 0.242 U	--	--					

					Location ID	MW-09S	MW-09S	MW-10B	MW-10B	MW-10B	MW-10D	MW-10D	MW-10D	MW-11B	MW-11M	MW-11S	MW-12D	
					Sample ID	1399542	1399542	1399449	1399535	1399535	1399444	1399530	1399530	1399524	1399519	1399522	1399457	
					Sample Date	1/28/2020	1/28/2020	1/14/2020	1/14/2020	1/14/2020	1/14/2020	1/14/2020	1/14/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/22/2020
					Test Type	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	INITIAL	INITIAL	INITIAL	
					Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	
					Sample Class	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF	GWLF	GWLF	GWLF_BP	
Constituents	Fraction Class	Units	RI GW Protection GB	ROD TABLE L-4 AMMENDED SA GW														
PCB 098+102	N	ng/l			--	< 0.200 U	--	--	< 0.202 U	--	--	< 0.206 U	< 0.230 U	< 0.213 U	< 0.217 U	--	--	
PCB 099	N	ng/l			--	0.203	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--	--	
PCB 103	N	ng/l			--	< 0.0800 U	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--	--	
PCB 104	N	ng/l			--	< 0.0800 U	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--	--	
PCB 105	N	ng/l			--	0.186	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--	--	
PCB 106	N	ng/l			--	< 0.0800 U	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--	--	
PCB 107	N	ng/l			--	0.0233 J	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--	--	
PCB 108+124	N	ng/l			--	0.0550 J	--	--	< 0.162 U	--	--	< 0.165 U	< 0.184 U	< 0.170 U	< 0.174 U	--	--	
PCB 110+115	N	ng/l			--	0.345	--	--	< 0.162 U	--	--	< 0.165 U	< 0.184 U	< 0.170 U	< 0.174 U	--	--	
PCB 111	N	ng/l			--	< 0.0800 U	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--	--	
PCB 112	N	ng/l			--	< 0.0800 U	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--	--	
PCB 114	N	ng/l			--	< 0.0800 U	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--	--	
PCB 118	N	ng/l			--	0.395 B	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	0.0228 J	--	--	
PCB 120	N	ng/l			--	< 0.0800 U	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--	--	
PCB 121	N	ng/l			--	< 0.0800 U	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--	--	
PCB 122	N	ng/l			--	< 0.0800 U	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--	--	
PCB 123	N	ng/l			--	< 0.0800 U	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--	--	
PCB 126	N	ng/l			--	< 0.0800 U	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--	--	
PCB 127	N	ng/l			--	< 0.0800 U	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--	--	
PCB 128+166	N	ng/l			--	< 0.160 U	--	--	< 0.162 U	--	--	< 0.165 U	< 0.184 U	< 0.170 U	< 0.174 U	--	--	
PCB 129+138+163	N	ng/l			--	0.265	--	--	< 0.242 U	--	--	< 0.248 U	< 0.276 U	< 0.255 U	< 0.260 U	--	--	
PCB 130	N	ng/l			--	< 0.0800 U	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--	--	
PCB 131	N	ng/l			--	< 0.0800 U	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--	--	
PCB 132	N	ng/l			--	0.0360 J	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--	--	
PCB 133	N	ng/l			--	< 0.0800 U	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--	--	
PCB 134	N	ng/l			--	< 0.0800 U	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--	--	
PCB 135+151	N	ng/l			--	< 0.160 U	--	--	< 0.162 U	--	--	< 0.165 U	< 0.184 U	< 0.170 U	< 0.174 U	--	--	
PCB 136	N	ng/l			--	< 0.0800 U	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--	--	
PCB 137	N	ng/l			--	0.0196 J	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--	--	
PCB 139+140	N	ng/l			--	< 0.160 U	--	--	< 0.162 U	--	--	< 0.165 U	< 0.184 U	< 0.170 U	< 0.174 U	--	--	
PCB 141	N	ng/l			--	0.0919	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--	--	
PCB 142	N	ng/l			--	< 0.0800 U	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--	--	
PCB 143	N	ng/l			--	< 0.0800 U	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--	--	
PCB 144	N	ng/l			--	< 0.0800 U	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--	--	
PCB 145	N	ng/l			--	< 0.0800 U	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--	--	
PCB 146	N	ng/l			--	0.0275 J	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--	--	
PCB 147+149	N</td																	

					Location ID	MW-09S	MW-09S	MW-10B	MW-10B	MW-10B	MW-10D	MW-10D	MW-10D	MW-11B	MW-11M	MW-11S	MW-12D	
					Sample ID	1399542	1399542	1399449	1399535	1399535	1399444	1399530	1399530	1399524	1399519	1399522	1399457	
					Sample Date	1/28/2020	1/28/2020	1/14/2020	1/14/2020	1/14/2020	1/14/2020	1/14/2020	1/14/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/22/2020
					Test Type	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	INITIAL	INITIAL	INITIAL	
					Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	
					Sample Class	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF	GWLF	GWLF	GWLF_BP	
Constituents	Fraction Class	Units	RI GW Protection GB	ROD TABLE L-4 AMMENDED SA GW														
PCB 158	N	ng/l			--	< 0.0800 U	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--		
PCB 159	N	ng/l			--	< 0.0800 U	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--		
PCB 160	N	ng/l			--	< 0.0800 U	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--		
PCB 161	N	ng/l			--	< 0.0800 U	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--		
PCB 162	N	ng/l			--	< 0.0800 U	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--		
PCB 164	N	ng/l			--	< 0.0800 U	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--		
PCB 165	N	ng/l			--	< 0.0800 U	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--		
PCB 167	N	ng/l			--	0.0189 J	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--		
PCB 169	N	ng/l			--	< 0.0800 U	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--		
PCB 170	N	ng/l			--	< 0.0800 U	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--		
PCB 171+173	N	ng/l			--	< 0.160 U	--	--	< 0.162 U	--	--	< 0.165 U	< 0.184 U	< 0.170 U	< 0.174 U	--		
PCB 172	N	ng/l			--	< 0.0800 U	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--		
PCB 174	N	ng/l			--	< 0.0800 U	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--		
PCB 175	N	ng/l			--	< 0.0800 U	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--		
PCB 176	N	ng/l			--	< 0.0800 U	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--		
PCB 177	N	ng/l			--	< 0.0800 U	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--		
PCB 178	N	ng/l			--	< 0.0800 U	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--		
PCB 179	N	ng/l			--	< 0.0800 U	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--		
PCB 180+193	N	ng/l			--	0.0736 J	--	--	< 0.162 U	--	--	< 0.165 U	< 0.184 U	< 0.170 U	< 0.174 U	--		
PCB 181	N	ng/l			--	< 0.0800 U	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--		
PCB 182	N	ng/l			--	< 0.0800 U	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--		
PCB 183+185	N	ng/l			--	< 0.160 U	--	--	< 0.162 U	--	--	< 0.165 U	< 0.184 U	< 0.170 U	< 0.174 U	--		
PCB 184	N	ng/l			--	< 0.0800 U	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--		
PCB 186	N	ng/l			--	< 0.0800 U	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--		
PCB 187	N	ng/l			--	< 0.0800 U	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--		
PCB 188	N	ng/l			--	< 0.200 U	--	--	< 0.202 U	--	--	< 0.206 U	< 0.230 U	< 0.213 U	< 0.217 U	--		
PCB 189	N	ng/l			--	< 0.0800 U	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--		
PCB 190	N	ng/l			--	< 0.0800 U	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--		
PCB 191	N	ng/l			--	< 0.0800 U	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--		
PCB 192	N	ng/l			--	< 0.0800 U	--	--	< 0.0808 U	--	--	< 0.0826 U	< 0.0921 U	< 0.0851 U	< 0.0868 U	--		
PCB 194	N	ng/l			--	< 0.120 U	--	--	< 0.121 U	--	--	< 0.124 U	< 0.138 U	< 0.128 U	< 0.130 U	--		
PCB 195	N	ng/l			--	< 0.120 U	--	--	< 0.121 U	--	--	< 0.124 U	< 0.138 U	< 0.128 U	< 0.130 U	--		
PCB 196	N	ng/l			--	< 0.120 U	--	--	< 0.121 U	--	--	< 0.124 U	< 0.138 U	< 0.128 U	< 0.130 U	--		
PCB 197+200	N	ng/l			--	< 0.240 U	--	--	< 0.242 U	--	--	< 0.248 U	< 0.276 U	< 0.255 U	< 0.260 U	--		
PCB 198+199	N	ng/l			--	< 0.240 U	--	--	< 0.242 U	--	--	< 0.248 U	< 0.276 U	< 0.255 U	< 0.260 U	--		
PCB 201	N	ng/l			--	< 0.400 U	--	--	< 0.404 U	--	--	< 0.413 U	< 0.460 U	< 0.426 U	< 0.434 U	--		
PCB 202	N	ng/l			--	< 0.120 U	--	--	< 0.121 U	--	--	< 0.124 U	< 0.138 U	< 0.128 U	< 0.130 U	--		
PCB 203	N	ng/l			--	< 0.120 U												

					Location ID	MW-09S	MW-09S	MW-10B	MW-10B	MW-10B	MW-10D	MW-10D	MW-10D	MW-11B	MW-11M	MW-11S	MW-12D	
					Sample ID	1399542	1399542	1399449	1399535	1399535	1399444	1399530	1399530	1399524	1399519	1399522	1399457	
					Sample Date	1/28/2020	1/28/2020	1/14/2020	1/14/2020	1/14/2020	1/14/2020	1/14/2020	1/14/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/22/2020
					Test Type	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	INITIAL	INITIAL	INITIAL	
					Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	
					Sample Class	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF	GWLF	GWLF	GWLF_BP	
Constituents	Fraction Class	Units	RI GW Protection GB	ROD TABLE L-4 AMMENDED SA GW														
Toxicity Equivalent - Bird (PCBs)	N	ng/l			--	0.00126	--	--	< 0 U	--	--	< 0 U	< 0 U	< 0 U	0.000000228	--	--	
Toxicity Equivalent - Fish (PCBs)	N	ng/l			--	0.00000947	--	--	< 0 U	--	--	< 0 U	< 0 U	< 0 U	0.000000114	--	--	
Toxicity Equivalent (PCBs)	N	ng/l			--	0.0000211	--	--	< 0 U	--	--	< 0 U	< 0 U	< 0 U	0.000000683	--	--	
SW6010C																		
Aluminum [Al]	T	mg/L			--	< 0.10	--	--	< 0.10	--	--	< 0.10	< 0.10	0.16	0.24	--	--	
Barium [Ba]	T	mg/L			--	0.029	--	--	0.108	--	--	0.101	0.039	0.143	0.072	--	--	
Beryllium [Be]	T	mg/L			--	< 0.001	--	--	< 0.001	--	--	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	--	
Calcium [Ca]	T	mg/L			--	24.2	--	--	57.8	--	--	22.5	18.5	14.5	23.7	--	--	
Chromium, Total	T	mg/L			--	< 0.005	--	--	< 0.005	--	--	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	--	
Cobalt [Co]	T	mg/L			--	< 0.010	--	--	< 0.010	--	--	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	--	
Copper [Cu]	T	mg/L			--	< 0.005	--	--	< 0.005	--	--	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	--	
Iron [Fe]	T	mg/L			68.5	64.6 H	--	--	< 0.010	--	--	< 0.010	0.046	0.052	0.184	--	--	
Magnesium [Mg]	T	mg/L			--	3.16	--	--	6.58	--	--	2.66	1.54	1.91	1.91	--	--	
Manganese [Mn]	T	mg/L			--	4.18	3.88 H	--	--	0.622	--	1.03	1.04 H	0.152	0.047	0.013	--	
Potassium [K]	T	mg/L			--	4.22	--	--	7.13	--	--	6.26	2.73	2.78	3.95	--	--	
Sodium [Na]	T	mg/L			--	17.4	--	223	214 H	--	196	186 H	40.0	61.1	88.0	--	--	
Vanadium [V]	T	mg/L			--	< 0.005	--	--	< 0.005	--	--	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	--	
Zinc [Zn]	T	mg/L			--	< 0.010	--	--	< 0.010	--	--	0.068	0.018	< 0.010	< 0.010	< 0.010	--	
SW6020B																		
Antimony [Sb]	T	mg/L			--	< 0.0010	--	--	< 0.0010	--	--	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	--	
Arsenic [As]	T	mg/L			--	0.0012	--	--	< 0.0010	--	--	< 0.0010	< 0.0010	0.0020	< 0.0010	< 0.0010	--	
Cadmium [Cd]	T	mg/L			--	< 0.0001	--	--	0.0161	--	0.0982	0.0953 H	< 0.0001	0.0002	0.0002	--	--	
Lead [Pb]	T	mg/L			--	< 0.0010	--	--	< 0.0010	--	--	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	--	
Nickel [Ni]	T	mg/L			--	0.001	--	0.719	0.734 H	--	2.32	2.25 H	0.004	< 0.001	< 0.001	< 0.001	--	
Selenium [Se]	T	mg/L			--	< 0.001	--	--	0.001	--	--	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	--	
Silver [Ag]	T	mg/L			--	< 0.0005	--	--	< 0.0005	--	--	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	--	
Thallium [Tl]	T	mg/L			--	< 0.0010	--	--	< 0.0010	--	--	< 0.0010	< 0.0010	< 0.0040	< 0.0010	< 0.0010	--	
SW7470A																		
Mercury [Hg]	T	mg/L			--	< 0.0002	--	--	< 0.0002	--	--	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	--	
SW8015C																		
TPH C8-C40	N	ug/L			--	450 J	--	--	< 610 U	--	--	< 600 U	< 590 U	< 630 U	< 670 U	--	--	
SW8081B																		
4,4-DDD	N	ug/L			--	< 0.023 U	--	--	< 0.020 U	--	--	< 0.020 U	< 0.024 U	< 0.022 U	< 0.025 U	--	--	
4,4-DDE	N	ug/L			--	< 0.023 U	--	--	< 0.020 U	--	--	< 0.020 U	< 0.024 U	< 0.022 U	< 0.025 U	--	--	
4,4-DDT	N	ug/L			--	< 0.023 U	--	--	< 0.020 U	--	--	< 0.020 U	< 0.024 U	< 0.022 U	< 0.025 U	--	--	
Aldrin	N	ug/L			--	< 0.012 U	--	--	< 0.010 U	--	--	< 0.010 U	< 0.012 U	< 0.011 U	< 0.013 U	--	--	
Alpha Endosulfan (Endosulfan I)	N	ug/L			--	< 0.012 U	--	--	< 0.010 U	--	--	< 0.010 U	< 0.012 U	< 0.011 U	< 0.013 U	--	--	
Alpha Hexachlorocyclohexane (Alpha-BHC)	N	ug/L			--	< 0.012 U	--	--	< 0.010 U	--	--	< 0.010 U	< 0.012 U	< 0.011 U	< 0.013 U	--	--	
Alpha-Chlordane (cis-Chlordane)	N	ug/L			--	< 0.012 U	--	--	< 0.010 U	--	--	< 0.010 U	< 0.012 U	< 0.011 U	< 0.013 U	--	--	
Beta Endosulfan (Endosulfan II)	N	ug/L			--	< 0.047 U	--	--	< 0.040 U	--	--	< 0.040 U	< 0.048 U	< 0.045 U	< 0.050 U	--	--	
Beta Hexachlorocyclohexane (Beta-BHC)	N	ug/L			--	< 0.012 U	--	--	< 0.010 U	--	--	< 0.010 U	< 0.012 U	< 0.011 U	< 0.013 U	--	--	

Table 1 (Draft)  
 Groundwater Analytical Results - Winter 2020  
 Centre dale Manor Restoration Project Superfund Site  
 North Providence, Rhode Island

					Location ID	MW-09S	MW-09S	MW-10B	MW-10B	MW-10B	MW-10D	MW-10D	MW-10D	MW-11B	MW-11M	MW-11S	MW-12D	
					Sample ID	1399542	1399542	1399449	1399535	1399535	1399444	1399530	1399530	1399524	1399519	1399522	1399457	
					Sample Date	1/28/2020	1/28/2020	1/14/2020	1/14/2020	1/14/2020	1/14/2020	1/14/2020	1/14/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/22/2020
					Test Type	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	INITIAL	INITIAL	INITIAL	
					Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	
					Sample Class	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF	GWLF	GWLF	GWLF_BP	
Constituents	Fraction Class	Units	RI GW Protection GB	ROD TABLE L-4 AMMENDED SA GW														
Dieldrin	N	ug/L			--	< 0.023 U	--	--	< 0.020 U	--	--	< 0.020 U	< 0.024 U	< 0.022 U	< 0.025 U	--	--	
Endosulfan Sulfate	N	ug/L			--	< 0.023 U	--	--	< 0.020 U	--	--	< 0.020 U	< 0.024 U	< 0.022 U	< 0.025 U	--	--	
Endrin	N	ug/L			--	< 0.035 U	--	--	< 0.030 U	--	--	< 0.030 U	< 0.036 U	< 0.034 U	< 0.038 U	--	--	
Endrin Aldehyde	N	ug/L			--	< 0.12 U	--	--	< 0.10 U	--	--	< 0.10 U	< 0.12 U	< 0.11 U	< 0.13 U	--	--	
Endrin Ketone	N	ug/L			--	< 0.023 U	--	--	< 0.020 U	--	--	< 0.020 U	< 0.024 U	< 0.022 U	< 0.025 U	--	--	
Gamma-BHC (Lindane)	N	ug/L			--	< 0.012 U	--	--	< 0.010 U	--	--	< 0.010 U	< 0.012 U	< 0.011 U	< 0.013 U	--	--	
Heptachlor	N	ug/L			--	< 0.012 U	--	--	< 0.010 U	--	--	< 0.010 U	< 0.012 U	< 0.011 U	< 0.013 U	--	--	
Heptachlor Epoxide	N	ug/L			--	< 0.012 U	--	--	< 0.010 U	--	--	< 0.010 U	< 0.012 U	< 0.011 U	< 0.013 U	--	--	
Methoxychlor	N	ug/L			--	< 0.12 U	--	--	< 0.10 U	--	--	< 0.10 U	< 0.12 U	< 0.11 U	< 0.13 U	--	--	
Toxaphene	N	ug/L			--	< 1.2 U	--	--	< 1.0 U	--	--	< 1.0 U	< 1.2 U	< 1.1 U	< 1.3 U	--	--	
SW8082A																		
Aroclor 1016	N	ug/L			--	< 0.250 U	--	--	< 0.250 U	--	--	< 0.250 U	--					
Aroclor 1221	N	ug/L			--	< 0.250 U	--	--	< 0.250 U	--	--	< 0.250 U	--					
Aroclor 1232	N	ug/L			--	< 0.250 U	--	--	< 0.250 U	--	--	< 0.250 U	--					
Aroclor 1242	N	ug/L			--	< 0.250 U	--	--	< 0.250 U	--	--	< 0.250 U	--					
Aroclor 1248	N	ug/L			--	< 0.250 U	--	--	< 0.250 U	--	--	< 0.250 U	--					
Aroclor 1254	N	ug/L			--	< 0.250 U	--	--	< 0.250 U	--	--	< 0.250 U	--					
Aroclor 1260	N	ug/L			--	< 0.250 U	--	--	< 0.250 U	--	--	< 0.250 U	--					
Aroclor 1262	N	ug/L			--	< 0.250 U	--	--	< 0.250 U	--	--	< 0.250 U	--					
Aroclor 1268	N	ug/L			--	< 0.250 U	--	--	< 0.250 U	--	--	< 0.250 U	--					
PCBs, Total	N	ug/L			--	< 0.250 U	--	--	< 0.250 U	--	--	< 0.250 U	--					
SW8260C																		
1,1,1,2-Tetrachloroethane	N	ug/L			--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U					
1,1,1-Trichloroethane	N	ug/L	3100		--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U					
1,1,2,2-Tetrachloroethane	N	ug/L			--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U					
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	N	ug/L			--	< 10 U	< 10 U	--	< 10 U	< 10 U	--	< 10 U	< 10 U					
1,1,2-Trichloroethane	N	ug/L			--	< 0.75 U	< 0.75 U	--	< 0.75 U	< 0.75 U	--	< 0.75 U	< 0.75 U					
1,1-Dichloroethane	N	ug/L	7		--	< 0.75 U	< 0.75 U	--	< 0.75 U	< 0.75 U	--	< 0.75 U	< 0.75 U					
1,1-Dichloroethylene	N	ug/L			--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U					
1,1-Dichloropropene	N	ug/L			--	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U					
1,2,3-Trichlorobenzene	N	ug/L			--	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U					
1,2,3-Trichloropropane	N	ug/L			--	< 5.0 U	< 5.0 U	--	< 5.0 U	< 5.0 U	--	< 5.0 U	< 5.0 U					
1,2,4-Trichlorobenzene	N	ug/L			--	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U					
1,2,4-Trimethylbenzene	N	ug/L			--	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U					
1,2-Dibromo-3-chloropropane	N	ug/L	2	2	--	< 2.0 U	< 2.0 U	--	< 2.0 U	< 2.0 U	--	< 2.0 U	< 2.0 U					
1,2-Dichlorobenzene	N	ug/L			--	< 2.5 U	< 2.5 U	--										

					Location ID	MW-09S	MW-09S	MW-10B	MW-10B	MW-10B	MW-10D	MW-10D	MW-10D	MW-11B	MW-11M	MW-11S	MW-12D	
					Sample ID	1399542	1399542	1399449	1399535	1399535	1399444	1399530	1399530	1399524	1399519	1399522	1399457	
					Sample Date	1/28/2020	1/28/2020	1/14/2020	1/14/2020	1/14/2020	1/14/2020	1/14/2020	1/14/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/22/2020
					Test Type	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	INITIAL	INITIAL	INITIAL	
					Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	
					Sample Class	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF	GWLF	GWLF	GWLF_BP	
Constituents	Fraction Class	Units	RI GW Protection GB	ROD TABLE L-4 AMMENDED SA GW														
2-Chlorotoluene	N	ug/L			--	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	
2-Hexanone	N	ug/L			--	< 5.0 U	< 5.0 U	--	< 5.0 U	< 5.0 U	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	
4-Chlorotoluene	N	ug/L			--	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	
4-Isopropyltoluene (p-Cymene)	N	ug/L			--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	
Acetone	N	ug/L			--	< 5.0 U	< 5.0 U	--	< 5.0 U	< 5.0 U	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	
Acrylonitrile	N	ug/L			--	< 5.0 U	< 5.0 U	--	< 5.0 U	< 5.0 U	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	
Benzene	N	ug/L	140		--	2.8	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	
Bromobenzene	N	ug/L			--	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	
Bromodichloromethane	N	ug/L			--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	
Bromoform	N	ug/L			--	< 2.0 U	< 2.0 U	--	< 2.0 U	< 2.0 U	--	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	
Bromomethane	N	ug/L			--	< 1.0 U	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	
Carbon Disulfide	N	ug/L			--	< 5.0 U	< 5.0 U	--	< 5.0 U	< 5.0 U	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	
Carbon Tetrachloride	N	ug/L	70		--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	
Chlorobenzene	N	ug/L	3200		--	1.6	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	
Chloroethane	N	ug/L			--	< 1.0 U	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	
Chloroform	N	ug/L			--	< 0.75 U	< 0.75 U	--	< 0.75 U	< 0.75 U	--	< 0.75 U	< 0.75 U	< 0.75 U	< 0.75 U	< 0.75 U	< 0.75 U	
Chloromethane	N	ug/L			--	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	
cis-1,2-Dichloroethylene	N	ug/L	2400		--	3.9	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	
cis-1,3-Dichloropropene	N	ug/L			--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	
Dibromochloromethane	N	ug/L			--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	
Dibromomethane	N	ug/L			--	< 5.0 U	< 5.0 U	--	< 5.0 U	< 5.0 U	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	
Dichlorodifluoromethane	N	ug/L			--	< 5.0 U	< 5.0 U	--	< 5.0 U	< 5.0 U	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	
Ethylbenzene	N	ug/L	1600		--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	
Ethylene Dibromide (EDB)	N	ug/L			--	< 2.0 U	< 2.0 U	--	< 2.0 U	< 2.0 U	--	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	
Hexachlorobutadiene	N	ug/L			--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	
Isopropylbenzene (cumene)	N	ug/L			--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	
Methyl Isobutyl Ketone (MIBK)	N	ug/L			--	< 5.0 U	< 5.0 U	--	< 5.0 U	< 5.0 U	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	
Methyl tert-Butyl Ether (MTBE)	N	ug/L	5000		--	< 1.0 U	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	
Methylene Chloride	N	ug/L			--	< 3.0 U	< 3.0 U	--	< 3.0 U	< 3.0 U	--	< 3.0 U	< 3.0 U	< 3.0 U	< 3.0 U	< 3.0 U	< 3.0 U	
Naphthalene	N	ug/L			--	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U	--	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	
n-Butylbenzene	N	ug/L			--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	
n-Propylbenzene	N	ug/L			--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	
sec-Butylbenzene	N	ug/L			--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	--	< 0.50 U	< 0.50 U	< 0				

					Location ID	MW-09S	MW-09S	MW-10B	MW-10B	MW-10B	MW-10D	MW-10D	MW-10D	MW-11B	MW-11M	MW-11S	MW-12D
					Sample ID	1399542	1399542	1399449	1399535	1399535	1399444	1399530	1399530	1399524	1399519	1399522	1399457
					Sample Date	1/28/2020	1/28/2020	1/14/2020	1/14/2020	1/14/2020	1/14/2020	1/14/2020	1/14/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020
					Test Type	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	INITIAL	INITIAL	INITIAL
					Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Class					GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF	GWLF	GWLF	GWLF_BP
Constituents	Fraction Class	Units	RI GW Protection GB	ROD TABLE L-4 AMMENDED SA GW													
Xylene, o-	N	ug/L			--	< 1.0 U	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Xylenes, m- & p-	N	ug/L			--	< 1.0 U	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Xylenes, Total	N	ug/L			--	< 1.0 U	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
SW8270D																	
1,1-Biphenyl (1,1-Diphenyl)	N	ug/L			--	< 10 U	--	--	< 10 U	--	--	< 10 U	< 12 U	< 11 U	< 11 U	--	--
1,2,4,5-Tetrachlorobenzene	N	ug/L			--	< 2 U	--	--	< 2 U	--	--	< 2 U	< 2 U	< 2 U	< 2 U	--	--
1,2,4-Trichlorobenzene	N	ug/L			--	< 2 U	--	--	< 2 U	--	--	< 2 U	< 2 U	< 2 U	< 2 U	--	--
2,4,5-Trichlorophenol	N	ug/L			--	< 2 U	--	--	< 2 U	--	--	< 2 U	< 2 U	< 2 U	< 2 U	--	--
2,4,6-Trichlorophenol	N	ug/L			--	< 2 U	--	--	< 2 U	--	--	< 2 U	< 2 U	< 2 U	< 2 U	--	--
2,4-Dichlorophenol	N	ug/L			--	< 2 U	--	--	< 2 U	--	--	< 2 U	< 2 U	< 2 U	< 2 U	--	--
2,4-Dimethylphenol	N	ug/L			--	< 10 U	--	--	< 10 U	--	--	< 10 U	< 12 U	< 11 U	< 11 U	--	--
2,4-Dinitrophenol	N	ug/L			--	< 30 U	--	--	< 30 U	--	--	< 31 U	< 35 U	< 33 U	< 32 U	--	--
2,4-Dinitrotoluene	N	ug/L			--	< 5 U	--	--	< 5 U	--	--	< 5 U	< 6 U	< 6 U	< 5 U	--	--
2,6-Dinitrotoluene	N	ug/L			--	< 2 U	--	--	< 2 U	--	--	< 2 U	< 2 U	< 2 U	< 2 U	--	--
2-Chloronaphthalene	N	ug/L			--	< 1 U	--	--	< 1 U	--	--	< 1 U	< 1 U	< 1 U	< 1 U	--	--
2-Chlorophenol	N	ug/L			--	< 2 U	--	--	< 2 U	--	--	< 2 U	< 2 U	< 2 U	< 2 U	--	--
2-Methyl-4,6-Dinitrophenol	N	ug/L			--	< 21 U	--	--	< 21 U	--	--	< 22 U	< 24 U	< 23 U	< 22 U	--	--
2-Methylnaphthalene	N	ug/L			--	< 0.5 U	--	--	< 0.5 U	--	--	< 0.5 U	< 0.6 U	< 0.6 U	< 0.5 U	--	--
2-Methylphenol (o-Cresol)	N	ug/L			--	< 2 U	--	--	< 2 U	--	--	< 2 U	< 2 U	< 2 U	< 2 U	--	--
2-Nitroaniline	N	ug/L			--	< 7 U	--	--	< 7 U	--	--	< 7 U	< 8 U	< 8 U	< 7 U	--	--
2-Nitrophenol	N	ug/L			--	< 10 U	--	--	< 10 U	--	--	< 10 U	< 12 U	< 11 U	< 11 U	--	--
3,3-Dichlorobenzidine	N	ug/L			--	< 10 U	--	--	< 10 U	--	--	< 10 U	< 12 U	< 11 U	< 11 U	--	--
3-Nitroaniline	N	ug/L			--	< 7 U	--	--	< 7 U	--	--	< 7 U	< 8 U	< 8 U	< 7 U	--	--
4-Bromophenyl-phenyl ether	N	ug/L			--	< 2 U	--	--	< 2 U	--	--	< 2 U	< 2 U	< 2 U	< 2 U	--	--
4-Chloro-3-methylphenol	N	ug/L			--	< 4 U	--	--	< 2 U	--	--	< 2 U	< 2 U	< 2 U	< 2 U	--	--
4-Chloroaniline	N	ug/L			--	< 10 U	--	--	< 10 U	--	--	< 10 U	< 12 U	< 11 U	< 11 U	--	--
4-Chlorophenyl-phenyl ether	N	ug/L			--	< 2 U	--	--	< 2 U	--	--	< 2 U	< 2 U	< 2 U	< 2 U	--	--
4-Nitroaniline	N	ug/L			--	< 3 U	--	--	< 3 U	--	--	< 3 U	< 3 U	< 3 U	< 3 U	--	--
4-Nitrophenol	N	ug/L			--	< 30 U	--	--	< 30 U	--	--	< 31 U	< 35 U	< 33 U	< 32 U	--	--
Acenaphthene	N	ug/L			--	< 0.5 U	--	--	< 0.5 U	--	--	< 0.5 U	< 0.6 U	< 0.6 U	< 0.5 U	--	--
Acenaphthylene	N	ug/L			--	< 0.5 U	--	--	< 0.5 U	--	--	< 0.5 U	< 0.6 U	< 0.6 U	< 0.5 U	--	--
Anthracene	N	ug/L			--	< 0.5 U	--	--	< 0.5 U	--	--	< 0.5 U	< 0.6 U	< 0.6 U	< 0.5 U	--	--
Benzo(a)anthracene	N	ug/L			--	< 0.5 U	--	--	< 0.5 U	--	--	< 0.5 U	< 0.6 U	< 0.6 U	< 0.5 U	--	--
Benzo(a)pyrene	N	ug/L			--	< 0.5 U	--	--	< 0.5 U	--	--	< 0.5 U	< 0.6 U	< 0.6 U	< 0.5 U	--	--
Benzo(b)fluoranthene	N	ug/L			--	< 0.5 U	--	--	< 0.5 U	--	--	< 0.5 U	< 0.6 U	< 0.6 U	< 0.5 U	--	--
Benzo(g,h,i)perylene	N	ug/L			--	< 0.5 U	--	--	< 0.5 U	--	--	< 0.5 U	< 0.6 U	< 0.6 U	< 0.5 U	--	--
Benzo(k)fluoranthene	N	ug/L			--	< 0.5 U	--	--	< 0.5 U	--	--	< 0.5 U	< 0.6 U	< 0.6 U	< 0.5 U	--	--
bis (2-Chloroethyl) ether	N	ug/L			--	< 2 U	--	--	< 2 U	--	--	< 2 U	< 2 U	< 2 U	< 2 U	--	--
bis(2-Chloroethoxy)methane	N	ug/L			--	< 2 U	--	--	< 2 U	--	--	< 2 U	< 2 U	< 2 U	< 2 U	--	--
bis(2-Chloroisopropyl)ether	N	ug/L			--	< 2 U	--	--	< 2 U	--	--	< 2 U	< 2 U	< 2 U	< 2 U	--	--
bis(2-ethylhexyl) Phthalate	N	ug/L			--	< 11 U	--	--	< 11 U	--	--	< 11 U	< 13 U	< 12 U	< 12 U	--	--
Butyl Benzyl Phthalate	N	ug/L			--	< 5 U	--	--	< 5 U	--	--						

				Location ID Sample ID Sample Date Test Type Sample Type Sample Class	MW-09S	MW-09S	MW-10B	MW-10B	MW-10B	MW-10D	MW-10D	MW-10D	MW-11B	MW-11M	MW-11S	MW-12D
					1399542	1399542	1399449	1399535	1399535	1399444	1399530	1399530	1399524	1399519	1399522	1399457
					1/28/2020	1/28/2020	1/14/2020	1/14/2020	1/14/2020	1/14/2020	1/14/2020	1/14/2020	1/7/2020	1/7/2020	1/7/2020	1/22/2020
					DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	INITIAL	INITIAL	INITIAL
					N	N	N	N	N	N	N	N	N	N	N	N
Constituents	Fraction Class	Units	RI GW Protection GB	ROD TABLE L-4 AMMENDED SA GW	--	--	--	--	--	--	--	--	--	--	--	
Dibenzo(a,h)anthracene	N	ug/L			--	< 0.5 U	--	--	< 0.5 U	--	--	< 0.5 U	< 0.6 U	< 0.6 U	< 0.5 U	--
Dibenzofuran	N	ug/L			--	< 2 U	--	--	< 2 U	--	--	< 2 U	< 2 U	< 2 U	< 2 U	--
Diethyl Phthalate	N	ug/L			--	< 5 U	--	--	< 5 U	--	--	< 5 U	< 6 U	< 6 U	< 5 U	--
Dimethyl Phthalate	N	ug/L			--	< 5 U	--	--	< 5 U	--	--	< 5 U	< 6 U	< 6 U	< 5 U	--
Di-n-butyl Phthalate	N	ug/L			--	< 5 U	--	--	< 5 U	--	--	< 5 U	< 6 U	< 6 U	< 5 U	--
Di-n-octyl Phthalate	N	ug/L			--	< 11 U	--	--	< 11 U	--	--	< 11 U	< 13 U	< 12 U	< 12 U	--
Fluoranthene	N	ug/L			--	< 0.5 U	--	--	< 0.5 U	--	--	< 0.5 U	< 0.6 U	< 0.6 U	< 0.5 U	--
Fluorene	N	ug/L			--	< 0.5 U	--	--	< 0.5 U	--	--	< 0.5 U	< 0.6 U	< 0.6 U	< 0.5 U	--
Hexachlorobenzene	N	ug/L			--	< 0.5 U	--	--	< 0.5 U	--	--	< 0.5 U	< 0.6 U	< 0.6 U	< 0.5 U	--
Hexachlorobutadiene	N	ug/L			--	< 2 U	--	--	< 2 U	--	--	< 2 U	< 2 U	< 2 U	< 2 U	--
Hexachlorocyclopentadiene	N	ug/L			--	< 11 U	--	--	< 11 U	--	--	< 11 U	< 13 U	< 12 U	< 12 U	--
Hexachloroethane	N	ug/L			--	< 5 U	--	--	< 5 U	--	--	< 5 U	< 6 U	< 6 U	< 5 U	--
Indeno(1,2,3-c,d)pyrene	N	ug/L			--	< 0.5 U	--	--	< 0.5 U	--	--	< 0.5 U	< 0.6 U	< 0.6 U	< 0.5 U	--
Isophorone	N	ug/L			--	< 2 U	--	--	< 2 U	--	--	< 2 U	< 2 U	< 2 U	< 2 U	--
m- & p- Cresol	N	ug/L			--	< 2 U	--	--	< 2 U	--	--	< 2 U	< 2 U	< 2 U	< 2 U	--
Naphthalene	N	ug/L			--	< 0.5 U	--	--	< 0.5 U	--	--	< 0.5 U	< 0.6 U	< 0.6 U	< 0.5 U	--
Nitrobenzene	N	ug/L			--	< 2 U	--	--	< 2 U	--	--	< 2 U	< 2 U	< 2 U	< 2 U	--
n-Nitroso-di-n-propylamine	N	ug/L			--	< 3 U	--	--	< 3 U	--	--	< 3 U	< 3 U	< 3 U	< 3 U	--
n-Nitrosodiphenylamine	N	ug/L			--	< 3 U	--	--	< 3 U	--	--	< 3 U	< 3 U	< 3 U	< 3 U	--
Pentachloronitrobenzene	N	ug/L			--	< 5 U	--	--	< 5 U	--	--	< 5 U	< 6 U	< 6 U	< 5 U	--
Pentachlorophenol	N	ug/L			--	< 5 U	--	--	< 5 U	--	--	< 5 U	< 6 U	< 6 U	< 5 U	--
Phenanthrone	N	ug/L			--	< 0.5 U	--	--	< 0.5 U	--	--	< 0.5 U	< 0.6 U	< 0.6 U	< 0.5 U	--
Phenol	N	ug/L			--	< 2 U	--	--	< 2 U	--	--	< 2 U	< 2 U	< 2 U	< 2 U	--
Pyrene	N	ug/L			--	< 0.5 U	--	--	< 0.5 U	--	--	< 0.5 U	< 0.6 U	< 0.6 U	< 0.5 U	--
SW8290A																
1234678-HpCDD	N	pg/l			--	2.60 JBQ	--	--	1.08 JBQ	--	--	0.608 JBQ	2.33 JBQ	1.40 JBQ	3.98 JB	--
1234678-HpCDF	N	pg/l			--	1.35 JBQ	--	--	0.215 JBQ	--	--	0.205 JBQ	1.83 JB	0.920 JBQ	2.98 JBQ	--
1234789-HpCDF	N	pg/l			--	1.67 JBQ	--	--	0.279 JBQ	--	--	< 25.3 U	0.804 JBQ	< 26.1 U	0.780 JBQ	--
123478-HxCDD	N	pg/l			--	0.904 JBQ	--	--	< 25.6 U	--	--	0.327 JBQ	< 28.3 U	0.109 JBQ	0.482 JBQ	--
123478-HxCDF	N	pg/l			--	0.874 JBQ	--	--	0.194 JBQ	--	--	0.174 JBQ	0.559 JBQ	0.498 JBQ	0.445 JBQ	--
123678-HxCDD	N	pg/l			--	0.538 JBQ	--	--	0.348 JBQ	--	--	0.233 JBQ	0.220 JBQ	0.240 JBQ	0.211 JBQ	--
123678-HxCDF	N	pg/l			--	0.866 JBQ	--	--	< 25.6 U	--	--	0.157 JB	0.533 JBQ	0.197 JBQ	0.374 JBQ	--
123789-HxCDD	N	pg/l			--	0.935 JBQ	--	--	0.323 JBQ	--	--	< 25.3 U	0.365 JBQ	< 26.1 U	0.670 JBQ	--
123789-HxCDF	N	pg/l			--	1.30 JBQ	--	--	< 25.6 U	--	--	0.223 JBQ	0.756 JBQ	< 26.1 U	0.322 JBQ	--
12378-PeCDD	N	pg/l			--	0.334 JBQ	--	--	< 25.6 U	--	--	0.300 JQ	0.255 JBQ	< 26.1 U	0.596 JBQ	--
12378-PeCDF	N	pg/l			--	0.917 JB	--	--	0.469 JB	--	--	< 25.3 U	0.591 JBQ	< 26.1 U	0.863 JBQ	--
234678-HxCDF	N	pg/l			--	1.01 JB	--	--	0.312 JBQ	--	--	0.145 JBQ	0.723 JBQ	0.266 JBQ	0.394 JBQ	--
23478-PeCDF	N	pg/l			--	1.03 JBQ	--	--	0.420 JBQ	--	--	0.266 JBQ	0.623 JBQ	0.326 JBQ	0.508 JBQ	--
2378-TCDD	N	pg/l		1800	--	6.41 B	--	--	0.0703 JQ	--	--	< 5.07 U	< 5.67 U	< 5.21 U	0.332 JBQ	--
2378-TCDF	N	pg/l			--	0.451 JQ	--	--	0.135 JQ	--	--	0.209 JQ	0.196 JQ	< 5.21 U	< 5.57 U	--
OCDD	N	pg/l			--	8.17 JB	--	--	0.910 JB	--	--	1.22 JBQ	5.20 JBQ	2.24 JBQ	37.8 JB	--
OCDF	N	pg/l			--	3.15 JBQ	--	--	0.277 JBQ	--	--	< 50.7 U	1.96 JBQ	2.80 JBQ	15.5 JB	--
Toxicity Equivalent	N	pg/l			--	7.83	--	--	0.358	--	--	0.535	0.846	0.254	1.49	--
Toxicity Equivalent-Bird	N	pg/l			--	8.91	--	--	0.765	--	--	0.867	1.46	0.442	1.82	--

**Draft**

Table 1 (Draft)  
 Groundwater Analytical Results - Winter 2020  
 Centre dale Manor Restoration Project Superfund Site  
 North Providence, Rhode Island

Location ID Sample ID Sample Date Test Type Sample Type Sample Class	MW-09S	MW-09S	MW-10B	MW-10B	MW-10B	MW-10D	MW-10D	MW-10D	MW-11B	MW-11M	MW-11S	MW-12D
	1399542	1399542	1399449	1399535	1399535	1399444	1399530	1399530	1399524	1399519	1399522	1399457
	1/28/2020	1/28/2020	1/14/2020	1/14/2020	1/14/2020	1/14/2020	1/14/2020	1/14/2020	1/7/2020	1/7/2020	1/7/2020	1/22/2020
	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	DILUTION	INITIAL	INITIAL	INITIAL	INITIAL	INITIAL
	N	N	N	N	N	N	N	N	N	N	N	N
	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF	GWLF	GWLF	GWLF_BP
Constituents	Fraction Class	Units	RI GW Protection GB	ROD TABLE L-4 AMMENDED SA GW								
Toxicity Equivalent-Fish	N	pg/l			--	8.24	--	--	0.374	--	--	0.682
												0.898
												0.327
												1.68
												--

Table 1 (Draft)  
 Groundwater Analytical Results - Winter 2020  
 Centre dale Manor Restoration Project Superfund Site  
 North Providence, Rhode Island

					Location ID	MW-12D	MW-12D	MW-12D	MW-14M	MW-14M	MW-GWR-001	MW-GWR-002	PDI-SA-GW-BKT
					Sample ID	1399541	1399541	1399541	1399442	1399528	1399548	1399546	1399465
					Sample Date	1/22/2020	1/22/2020	1/22/2020	1/9/2020	1/9/2020	1/28/2020	1/27/2020	1/28/2020
					Test Type	DILUTION	DILUTION1	INITIAL	INITIAL	INITIAL	INITIAL	INITIAL	INITIAL
					Sample Type	N	N	N	N	N	N	N	N
					Sample Class	GWLF	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF	TB
Constituents	Fraction Class	Units	RI GW Protection GB	ROD TABLE L-4 AMMENDED SA GW									
<b>FIELD MEASURE</b>													
Dissolved Oxygen (field measurement)	N	mg/L			--	--	5.54	7.49	7.49	6.11	5.09	--	
Oxidation-Reduction Potential (field measurement)	N	mV			--	--	260.7	373.5	373.5	255.2	-152.1	--	
pH (field measurement)	N	SU			--	--	5.81	5.85	5.85	5.71	7.10	--	
Specific Conductivity (field measurement)	N	uS/cm			--	--	698.0	269.4	269.4	508.9	414	--	
Temperature (field measurement)	N	deg C			--	--	11.4	11.2	11.2	10.7	7.82	--	
Turbidity (field measurement)	N	NTU			--	--	3.66	7.53	7.53	4.25	0.07	--	
<b>SW1668C</b>													
PCB 001	N	ng/l			--	--	< 0.230 U	--	< 0.190 U	< 0.230 U	< 0.203 U	--	
PCB 002	N	ng/l			--	--	< 0.230 U	--	< 0.190 U	< 0.230 U	< 0.203 U	--	
PCB 003	N	ng/l			--	--	< 0.230 U	--	< 0.190 U	< 0.230 U	< 0.203 U	--	
PCB 004	N	ng/l			--	--	< 0.0461 U	--	< 0.0381 U	< 0.0459 U	< 0.0406 U	--	
PCB 005	N	ng/l			--	--	< 0.0461 U	--	< 0.0381 U	< 0.0459 U	< 0.0406 U	--	
PCB 006	N	ng/l			--	--	< 0.0461 U	--	< 0.0381 U	< 0.0459 U	< 0.0406 U	--	
PCB 007	N	ng/l			--	--	< 0.0461 U	--	< 0.0381 U	< 0.0459 U	< 0.0406 U	--	
PCB 008	N	ng/l			--	--	< 0.0461 U	--	< 0.0381 U	< 0.0459 U	< 0.0406 U	--	
PCB 009	N	ng/l			--	--	< 0.0461 U	--	< 0.0381 U	< 0.0459 U	< 0.0406 U	--	
PCB 010	N	ng/l			--	--	< 0.0461 U	--	< 0.0381 U	< 0.0459 U	< 0.0406 U	--	
PCB 011	N	ng/l			--	--	< 0.346 U	--	< 0.286 U	< 0.344 U	< 0.305 U	--	
PCB 012+013	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--	
PCB 014	N	ng/l			--	--	< 0.0461 U	--	< 0.0381 U	< 0.0459 U	< 0.0406 U	--	
PCB 015	N	ng/l			--	--	< 0.0461 U	--	< 0.0381 U	< 0.0459 U	< 0.0406 U	--	
PCB 016	N	ng/l			--	--	< 0.0461 U	--	< 0.0381 U	< 0.0459 U	< 0.0406 U	--	
PCB 017	N	ng/l			--	--	< 0.0461 U	--	< 0.0381 U	< 0.0459 U	< 0.0406 U	--	
PCB 018+030	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--	
PCB 019	N	ng/l			--	--	< 0.0461 U	--	< 0.0381 U	< 0.0459 U	< 0.0406 U	--	
PCB 020+028	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--	
PCB 021+033	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--	
PCB 022	N	ng/l			--	--	< 0.0461 U	--	< 0.0381 U	< 0.0459 U	< 0.0406 U	--	
PCB 023	N	ng/l			--	--	< 0.0461 U	--	< 0.0381 U	< 0.0459 U	< 0.0406 U	--	
PCB 024	N	ng/l			--	--	< 0.0461 U	--	< 0.0381 U	< 0.0459 U	< 0.0406 U	--	
PCB 025	N	ng/l			--	--	< 0.0461 U	--	< 0.0381 U	< 0.0459 U	< 0.0406 U	--	
PCB 026+029	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--	
PCB 027	N	ng/l			--	--	< 0.0461 U	--	< 0.0381 U	< 0.0459 U	< 0.0406 U	--	
PCB 031	N	ng/l			--	--	< 0.0461 U	--	< 0.0381 U	< 0.0459 U	< 0.0406 U	--	
PCB 032	N	ng/l			--	--	< 0.0461 U	--	< 0.0381 U	< 0.0459 U	< 0.0406 U	--	
PCB 034	N	ng/l			--	--	< 0.0461 U	--	< 0.0381 U	< 0.0459 U	< 0.0406 U	--	
PCB 035	N	ng/l			--	--	< 0.0461 U	--	< 0.0381 U	< 0.0459 U	< 0.0406 U	--	
PCB 036	N	ng/l			--	--	< 0.0461 U	--	< 0.0381 U	< 0.0459 U	< 0.0406 U	--	
PCB 037	N	ng/l			--	--	< 0.0461 U	--	< 0.0381 U	< 0.0459 U	< 0.0406 U	--	
PCB 038	N	ng/l			--	--	< 0.0461 U	--	< 0.0381 U	< 0.0459 U	< 0.0406 U	--	
PCB 039	N	ng/l			--	--	< 0.0461 U	--	< 0.0381 U	< 0.0459 U	< 0.0406 U	--	
PCB 040+071	N	ng/l			--	--	< 0.184 U	--	< 0.152 U	< 0.184 U	< 0.162 U	--	
PCB 041	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--	

Table 1 (Draft)  
 Groundwater Analytical Results - Winter 2020  
 Centre dale Manor Restoration Project Superfund Site  
 North Providence, Rhode Island

												Location ID	MW-12D	MW-12D	MW-12D	MW-14M	MW-14M	MW-GWR-001	MW-GWR-002	PDI-SA-GW-BKT
												Sample ID	1399541	1399541	1399541	1399442	1399528	1399548	1399546	1399465
												Sample Date	1/22/2020	1/22/2020	1/22/2020	1/9/2020	1/9/2020	1/28/2020	1/27/2020	1/28/2020
												Test Type	DILUTION	DILUTION1	INITIAL	INITIAL	INITIAL	INITIAL	INITIAL	INITIAL
												Sample Type	N	N	N	N	N	N	N	N
												Sample Class	GWLF	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF	TB
Constituents	Fraction Class	Units	RI GW Protection GB	ROD TABLE L-4 AMMENDED SA GW																
PCB 042	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--								
PCB 043	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--								
PCB 044+047+065	N	ng/l			--	--	0.165 J	--	0.0629 J	0.123 J	0.103 J	--								
PCB 045	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--								
PCB 046	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--								
PCB 048	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--								
PCB 049+069	N	ng/l			--	--	< 0.184 U	--	< 0.152 U	< 0.184 U	< 0.162 U	--								
PCB 050+53	N	ng/l			--	--	< 0.346 U	--	< 0.286 U	< 0.344 U	< 0.305 U	--								
PCB 051	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--								
PCB 052	N	ng/l			--	--	0.0676 J	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--								
PCB 054	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--								
PCB 055	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--								
PCB 056	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--								
PCB 057	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--								
PCB 058	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--								
PCB 059+062+075	N	ng/l			--	--	< 0.276 U	--	< 0.229 U	< 0.276 U	< 0.244 U	--								
PCB 060	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--								
PCB 061+070+074+076	N	ng/l			--	--	< 0.369 U	--	< 0.305 U	< 0.367 U	< 0.325 U	--								
PCB 063	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--								
PCB 064	N	ng/l			--	--	0.0131 J	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--								
PCB 066	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--								
PCB 067	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--								
PCB 068	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--								
PCB 072	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--								
PCB 073	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--								
PCB 077	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--								
PCB 078	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--								
PCB 079	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--								
PCB 080	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--								
PCB 081	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--								
PCB 082	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--								
PCB 083	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--								
PCB 084	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--								
PCB 085+116+117	N	ng/l			--	--	< 0.276 U	--	< 0.229 U	< 0.276 U	< 0.244 U	--								
PCB 086+087+097+109+119+125	N	ng/l			--	--	< 0.553 U	--	< 0.457 U	< 0.551 U	< 0.487 U	--								
PCB 088	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--								
PCB 089	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--								
PCB 090+101+113	N	ng/l			--	--	< 0.276 U	--	< 0.229 U	< 0.276 U	< 0.244 U	--								
PCB 091	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--								
PCB 092	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--								
PCB 093+100	N	ng/l			--	--	< 0.184 U	--	< 0.152 U	< 0.184 U										

Table 1 (Draft)  
 Groundwater Analytical Results - Winter 2020  
 Centre dale Manor Restoration Project Superfund Site  
 North Providence, Rhode Island

									MW-12D	MW-12D	MW-12D	MW-14M	MW-14M	MW-GWR-001	MW-GWR-002	PDI-SA-GW-BKT	
									Sample ID	1399541	1399541	1399541	1399442	1399528	1399548	1399546	1399465
									Sample Date	1/22/2020	1/22/2020	1/22/2020	1/9/2020	1/9/2020	1/28/2020	1/27/2020	1/28/2020
									Test Type	DILUTION	DILUTION1	INITIAL	INITIAL	INITIAL	INITIAL	INITIAL	INITIAL
									Sample Type	N	N	N	N	N	N	N	N
									Sample Class	GWLF	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF	TB
Constituents	Fraction Class	Units	RI GW Protection GB	ROD TABLE L-4 AMMENDED SA GW													
PCB 098+102	N	ng/l			--	--	< 0.230 U	--	< 0.190 U	< 0.230 U	< 0.203 U	--					
PCB 099	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--					
PCB 103	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--					
PCB 104	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--					
PCB 105	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--					
PCB 106	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--					
PCB 107	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--					
PCB 108+124	N	ng/l			--	--	< 0.184 U	--	< 0.152 U	< 0.184 U	< 0.162 U	--					
PCB 110+115	N	ng/l			--	--	< 0.184 U	--	< 0.152 U	< 0.184 U	< 0.162 U	--					
PCB 111	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--					
PCB 112	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--					
PCB 114	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--					
PCB 118	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	0.0192 JB	< 0.0812 U	--					
PCB 120	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--					
PCB 121	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--					
PCB 122	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--					
PCB 123	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--					
PCB 126	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--					
PCB 127	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--					
PCB 128+166	N	ng/l			--	--	< 0.184 U	--	< 0.152 U	< 0.184 U	< 0.162 U	--					
PCB 129+138+163	N	ng/l			--	--	< 0.276 U	--	< 0.229 U	< 0.276 U	< 0.244 U	--					
PCB 130	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--					
PCB 131	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--					
PCB 132	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--					
PCB 133	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--					
PCB 134	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--					
PCB 135+151	N	ng/l			--	--	< 0.184 U	--	< 0.152 U	< 0.184 U	< 0.162 U	--					
PCB 136	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--					
PCB 137	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--					
PCB 139+140	N	ng/l			--	--	< 0.184 U	--	< 0.152 U	< 0.184 U	< 0.162 U	--					
PCB 141	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--					
PCB 142	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--					
PCB 143	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--					
PCB 144	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--					
PCB 145	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--					
PCB 146	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--					
PCB 147+149	N	ng/l			--	--	< 0.184 U	--	< 0.152 U	< 0.184 U	< 0.162 U	--					
PCB 148	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--					
PCB 150	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--					
PCB 152	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--					
PCB 153+168	N	ng/l			--	--	0.0405 J	--	< 0.152 U	< 0.184 U	< 0.162 U	--					
PCB 154	N	ng/l			--	--	< 0.230 U	--	< 0.190 U	< 0.230 U	< 0.203 U	--					
PCB 155	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--					
PCB 156+157	N	ng/l			--	--	< 0.184 U	--	< 0.152 U	< 0.184 U	< 0.162 U	--					

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 Groundwater Analytical Results - Winter 2020  
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					Location ID	MW-12D	MW-12D	MW-12D	MW-14M	MW-14M	MW-GWR-001	MW-GWR-002	PDI-SA-GW-BKT
					Sample ID	1399541	1399541	1399541	1399442	1399528	1399548	1399546	1399465
					Sample Date	1/22/2020	1/22/2020	1/22/2020	1/9/2020	1/9/2020	1/28/2020	1/27/2020	1/28/2020
					Test Type	DILUTION	DILUTION1	INITIAL	INITIAL	INITIAL	INITIAL	INITIAL	INITIAL
					Sample Type	N	N	N	N	N	N	N	N
					Sample Class	GWLF	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF	TB
Constituents	Fraction Class	Units	RI GW Protection GB	ROD TABLE L-4 AMMENDED SA GW									
PCB 158	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--	
PCB 159	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--	
PCB 160	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--	
PCB 161	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--	
PCB 162	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--	
PCB 164	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--	
PCB 165	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--	
PCB 167	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--	
PCB 169	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--	
PCB 170	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--	
PCB 171+173	N	ng/l			--	--	< 0.184 U	--	< 0.152 U	< 0.184 U	< 0.162 U	--	
PCB 172	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--	
PCB 174	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--	
PCB 175	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--	
PCB 176	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--	
PCB 177	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--	
PCB 178	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--	
PCB 179	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--	
PCB 180+193	N	ng/l			--	--	< 0.184 U	--	< 0.152 U	< 0.184 U	< 0.162 U	--	
PCB 181	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--	
PCB 182	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--	
PCB 183+185	N	ng/l			--	--	< 0.184 U	--	< 0.152 U	< 0.184 U	< 0.162 U	--	
PCB 184	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--	
PCB 186	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--	
PCB 187	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--	
PCB 188	N	ng/l			--	--	< 0.230 U	--	< 0.190 U	< 0.230 U	< 0.203 U	--	
PCB 189	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--	
PCB 190	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--	
PCB 191	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--	
PCB 192	N	ng/l			--	--	< 0.0922 U	--	< 0.0762 U	< 0.0918 U	< 0.0812 U	--	
PCB 194	N	ng/l			--	--	< 0.138 U	--	< 0.114 U	< 0.138 U	< 0.122 U	--	
PCB 195	N	ng/l			--	--	< 0.138 U	--	< 0.114 U	< 0.138 U	< 0.122 U	--	
PCB 196	N	ng/l			--	--	< 0.138 U	--	< 0.114 U	< 0.138 U	< 0.122 U	--	
PCB 197+200	N	ng/l			--	--	< 0.276 U	--	< 0.229 U	< 0.276 U	< 0.244 U	--	
PCB 198+199	N	ng/l			--	--	< 0.276 U	--	< 0.229 U	< 0.276 U	< 0.244 U	--	
PCB 201	N	ng/l			--	--	< 0.461 U	--	< 0.381 U	< 0.459 U	< 0.406 U	--	
PCB 202	N	ng/l			--	--	< 0.138 U	--	< 0.114 U	< 0.138 U	< 0.122 U	--	
PCB 203	N	ng/l			--	--	< 0.138 U	--	< 0.114 U	< 0.138 U	< 0.122 U	--	
PCB 204	N	ng/l			--	--	< 0.138 U	--	< 0.114 U	< 0.138 U	< 0.122 U	--	
PCB 205	N	ng/l			--	--	< 0.138 U	--	< 0.114 U	< 0.138 U	< 0.122 U	--	
PCB 206	N	ng/l			--	--	< 0.138 U	--	< 0.114 U	< 0.138 U	< 0.122 U	--	
PCB 207	N	ng/l			--	--	< 0.138 U	--	< 0.114 U	< 0.138 U	< 0.122 U	--	
PCB 208	N	ng/l			--	--	< 0.138 U	--	< 0.114 U	< 0.138 U	< 0.122 U	--	
PCB 209	N	ng/l			--	--	< 1.15 U	--	< 0.952 U	< 1.15 U	< 1.02 U	--	

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					Location ID	MW-12D	MW-12D	MW-12D	MW-14M	MW-14M	MW-GWR-001	MW-GWR-002	PDI-SA-GW-BKT
					Sample ID	1399541	1399541	1399541	1399442	1399528	1399548	1399546	1399465
					Sample Date	1/22/2020	1/22/2020	1/22/2020	1/9/2020	1/9/2020	1/28/2020	1/27/2020	1/28/2020
					Test Type	DILUTION	DILUTION1	INITIAL	INITIAL	INITIAL	INITIAL	INITIAL	INITIAL
					Sample Type	N	N	N	N	N	N	N	N
					Sample Class	GWLF	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF	TB
Constituents	Fraction Class	Units	RI GW Protection GB	ROD TABLE L-4 AMMENDED SA GW									
Toxicity Equivalent - Bird (PCBs)	N	ng/l			--	--	< 0 U	--	< 0 U	0.000000192	< 0 U	--	
Toxicity Equivalent - Fish (PCBs)	N	ng/l			--	--	< 0 U	--	< 0 U	0.0000000962	< 0 U	--	
Toxicity Equivalent (PCBs)	N	ng/l			--	--	< 0 U	--	< 0 U	0.000000577	< 0 U	--	
SW6010C													
Aluminum [Al]	T	mg/L			--	--	< 0.10	--	< 0.10	< 0.10	< 0.10	< 0.10	--
Barium [Ba]	T	mg/L			--	--	0.086	--	0.019	0.054	0.049	0.049	--
Beryllium [Be]	T	mg/L			--	--	< 0.001	--	< 0.001	< 0.001	< 0.001	< 0.001	--
Calcium [Ca]	T	mg/L			--	--	30.0	--	10.9	20.5	16.1	16.1	--
Chromium, Total	T	mg/L			--	< 0.005	< 0.005	--	< 0.005	< 0.005	< 0.005	< 0.005	--
Cobalt [Co]	T	mg/L			--	--	< 0.010	--	< 0.010	< 0.010	< 0.010	< 0.010	--
Copper [Cu]	T	mg/L			--	--	< 0.005	--	< 0.005	< 0.005	< 0.005	< 0.005	--
Iron [Fe]	T	mg/L			--	0.026	0.023	--	< 0.010	< 0.010	< 0.010	< 0.010	--
Magnesium [Mg]	T	mg/L			--	--	4.59	--	1.38	2.13	1.85	1.85	--
Manganese [Mn]	T	mg/L			--	--	0.028	--	< 0.010	< 0.010	0.026	0.026	--
Potassium [K]	T	mg/L			--	--	3.86	--	1.86	2.88	2.59	2.59	--
Sodium [Na]	T	mg/L			98.9	--	95.5 H	--	32.6	72.9	51.2	51.2	--
Vanadium [V]	T	mg/L			--	--	< 0.005	--	< 0.005	< 0.005	< 0.005	< 0.005	--
Zinc [Zn]	T	mg/L			--	--	< 0.010	--	< 0.010	< 0.010	< 0.010	< 0.010	--
SW6020B													
Antimony [Sb]	T	mg/L			--	--	< 0.0010	--	< 0.0010	< 0.0010	< 0.0010	< 0.0010	--
Arsenic [As]	T	mg/L			--	--	< 0.0010	--	< 0.0010	< 0.0010	< 0.0010	< 0.0010	--
Cadmium [Cd]	T	mg/L			--	--	< 0.0001	--	0.0016	0.0006	0.0003	0.0003	--
Lead [Pb]	T	mg/L			--	--	< 0.0010	--	< 0.0010	< 0.0010	< 0.0010	< 0.0010	--
Nickel [Ni]	T	mg/L			--	--	< 0.001	--	0.030	0.010	0.016	0.016	--
Selenium [Se]	T	mg/L			--	--	< 0.001	--	< 0.001	< 0.001	< 0.001	< 0.001	--
Silver [Ag]	T	mg/L			--	--	< 0.0005	--	< 0.0005	< 0.0005	< 0.0005	< 0.0005	--
Thallium [Tl]	T	mg/L			--	--	< 0.0010	--	< 0.0010	< 0.0010	< 0.0010	< 0.0010	--
SW7470A													
Mercury [Hg]	T	mg/L			--	--	< 0.0002	--	< 0.0002	< 0.0002	< 0.0002	< 0.0002	--
SW8015C													
TPH C8-C40	N	ug/L			--	--	< 630 U	--	< 610 U	< 670 U	< 570 U	< 570 U	--
SW8081B													
4,4-DDD	N	ug/L			--	--	< 0.023 U	--	< 0.025 U	< 0.024 U	< 0.020 U	< 0.020 U	--
4,4-DDE	N	ug/L			--	--	< 0.023 U	--	< 0.025 U	< 0.024 U	< 0.020 U	< 0.020 U	--
4,4-DDT	N	ug/L			--	--	< 0.023 U	--	< 0.025 U	< 0.024 U	< 0.020 U	< 0.020 U	--
Aldrin	N	ug/L			--	--	< 0.012 U	--	< 0.013 U	< 0.012 U	< 0.010 U	< 0.010 U	--
Alpha Endosulfan (Endosulfan I)	N	ug/L			--	--	< 0.012 U	--	< 0.013 U	< 0.012 U	< 0.010 U	< 0.010 U	--
Alpha Hexachlorocyclohexane (Alpha-BHC)	N	ug/L			--	--	< 0.012 U	--	< 0.013 U	< 0.012 U	0.0050 J	0.0050 J	--
Alpha-Chlordane (cis-Chlordane)	N	ug/L			--	--	< 0.012 U	--	< 0.013 U	0.0053 J	< 0.010 U	< 0.010 U	--
Beta Endosulfan (Endosulfan II)	N	ug/L			--	--	< 0.047 U	--	< 0.050 U	< 0.049 U	< 0.040 U	< 0.040 U	--
Beta Hexachlorocyclohexane (Beta-BHC)	N	ug/L			--	--	< 0.012 U	--	< 0.013 U	< 0.012 U	< 0.010 U	< 0.010 U	--
Beta-Chlordane (trans-Chlordane)	N	ug/L			--	--	< 0.035 U	--	< 0.038 U	< 0.036 U	< 0.030 U	< 0.030 U	--
Chlordane	N	ug/L			--	--	< 0.58 U	--	< 0.63 U	< 0.61 U	< 0.50 U	< 0.50 U	--
Delta Hexachlorocyclohexane (Delta-BHC)	N	ug/L			--	--	< 0.012 U	--	< 0.013 U	< 0.012 U	< 0.010 U	< 0.010 U	--

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					Location ID	MW-12D	MW-12D	MW-12D	MW-14M	MW-14M	MW-GWR-001	MW-GWR-002	PDI-SA-GW-BKT
					Sample ID	1399541	1399541	1399541	1399442	1399528	1399548	1399546	1399465
					Sample Date	1/22/2020	1/22/2020	1/22/2020	1/9/2020	1/9/2020	1/28/2020	1/27/2020	1/28/2020
					Test Type	DILUTION	DILUTION1	INITIAL	INITIAL	INITIAL	INITIAL	INITIAL	INITIAL
					Sample Type	N	N	N	N	N	N	N	N
					Sample Class	GWLF	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF	TB
Constituents	Fraction Class	Units	RI GW Protection GB	ROD TABLE L-4 AMMENDED SA GW									
Dieldrin	N	ug/L			--	--	< 0.023 U	--	< 0.025 U	< 0.024 U	< 0.020 U	--	
Endosulfan Sulfate	N	ug/L			--	--	< 0.023 U	--	< 0.025 U	< 0.024 U	< 0.020 U	--	
Endrin	N	ug/L			--	--	< 0.035 U	--	< 0.038 U	< 0.036 U	< 0.030 U	--	
Endrin Aldehyde	N	ug/L			--	--	< 0.12 U	--	< 0.13 U	< 0.12 U	< 0.10 U	--	
Endrin Ketone	N	ug/L			--	--	< 0.023 U	--	< 0.025 U	< 0.024 U	< 0.020 U	--	
Gamma-BHC (Lindane)	N	ug/L			--	--	< 0.012 U	--	< 0.013 U	< 0.012 U	< 0.010 U	--	
Heptachlor	N	ug/L			--	--	< 0.012 U	--	< 0.013 U	< 0.012 U	< 0.010 U	--	
Heptachlor Epoxide	N	ug/L			--	--	< 0.012 U	--	< 0.013 U	< 0.012 U	< 0.010 U	--	
Methoxychlor	N	ug/L			--	--	< 0.12 U	--	< 0.13 U	< 0.12 U	< 0.10 U	--	
Toxaphene	N	ug/L			--	--	< 1.2 U	--	< 1.3 U	< 1.2 U	< 1.0 U	--	
SW8082A													
Aroclor 1016	N	ug/L			--	--	< 0.250 U	--	< 0.250 U	< 0.250 U	< 0.250 U	--	
Aroclor 1221	N	ug/L			--	--	< 0.250 U	--	< 0.250 U	< 0.250 U	< 0.250 U	--	
Aroclor 1232	N	ug/L			--	--	< 0.250 U	--	< 0.250 U	< 0.250 U	< 0.250 U	--	
Aroclor 1242	N	ug/L			--	--	< 0.250 U	--	< 0.250 U	< 0.250 U	< 0.250 U	--	
Aroclor 1248	N	ug/L			--	--	< 0.250 U	--	< 0.250 U	< 0.250 U	< 0.250 U	--	
Aroclor 1254	N	ug/L			--	--	< 0.250 U	--	< 0.250 U	< 0.250 U	< 0.250 U	--	
Aroclor 1260	N	ug/L			--	--	< 0.250 U	--	< 0.250 U	< 0.250 U	< 0.250 U	--	
Aroclor 1262	N	ug/L			--	--	< 0.250 U	--	< 0.250 U	< 0.250 U	< 0.250 U	--	
Aroclor 1268	N	ug/L			--	--	< 0.250 U	--	< 0.250 U	< 0.250 U	< 0.250 U	--	
PCBs, Total	N	ug/L			--	--	< 0.250 U	--	< 0.250 U	< 0.250 U	< 0.250 U	--	
SW8260C													
1,1,1,2-Tetrachloroethane	N	ug/L			--	--	< 0.50 U	< 0.50 U	< 0.50 U				
1,1,1-Trichloroethane	N	ug/L	3100		--	--	< 0.50 U	< 0.50 U	< 0.50 U				
1,1,2,2-Tetrachloroethane	N	ug/L			--	--	< 0.50 U	< 0.50 U	< 0.50 U				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	N	ug/L			--	--	< 10 U	< 10 U	< 10 U				
1,1,2-Trichloroethane	N	ug/L			--	--	< 0.75 U	< 0.75 U	< 0.75 U				
1,1-Dichloroethane	N	ug/L			--	--	< 0.75 U	< 0.75 U	< 0.75 U				
1,1-Dichloroethylene	N	ug/L	7		--	--	< 0.50 U	< 0.50 U	< 0.50 U				
1,1-Dichloropropene	N	ug/L			--	--	< 2.5 U	< 2.5 U	< 2.5 U				
1,2,3-Trichlorobenzene	N	ug/L			--	--	< 2.5 U	< 2.5 U	< 2.5 U				
1,2,3-Trichloropropane	N	ug/L			--	--	< 5.0 U	< 5.0 U	< 5.0 U				
1,2,4-Trichlorobenzene	N	ug/L			--	--	< 2.5 U	< 2.5 U	< 2.5 U				
1,2,4-Trimethylbenzene	N	ug/L			--	--	< 2.5 U	< 2.5 U	< 2.5 U				
1,2-Dibromo-3-chloropropane	N	ug/L	2	2	--	--	< 2.0 U	< 2.0 U	< 2.0 U				
1,2-Dichlorobenzene	N	ug/L			--	--	< 2.5 U	< 2.5 U	< 2.5 U				
1,2-Dichloroethane	N	ug/L	110		--	--	< 0.50 U	< 0.50 U	< 0.50 U				
1,2-Dichloropropane	N	ug/L	3000		--	--	< 1.8 U	< 1.8 U	< 1.8 U				
1,3,5-Trimethylbenzene	N	ug/L			--	--	< 2.5 U	< 2.5 U	< 2.5 U				
1,3-Dichlorobenzene	N	ug/L			--	--	< 2.5 U	< 2.5 U	< 2.5 U				
1,3-Dichloropropane	N	ug/L			--	--	< 2.5 U	< 2.5 U	< 2.5 U				
1,4-Dichlorobenzene	N	ug/L			--	--	< 2.5 U	< 2.5 U	< 2.5 U				
2,2-Dichloropropane	N	ug/L			--	--	< 2.5 U	< 2.5 U	< 2.5 U				
2-Butanone (MEK)	N	ug/L			--	--	< 5.0 U	< 5.0 U	< 5.0 U				

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					Sample ID	1399541	1399541	1399541	1399442	1399528	1399548	1399546	1399465
					Sample Date	1/22/2020	1/22/2020	1/22/2020	1/9/2020	1/9/2020	1/28/2020	1/27/2020	1/28/2020
					Test Type	DILUTION	DILUTION1	INITIAL	INITIAL	INITIAL	INITIAL	INITIAL	INITIAL
					Sample Type	N	N	N	N	N	N	N	N
					Sample Class	GWLF	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF	TB
Constituents	Fraction Class	Units	RI GW Protection GB	ROD TABLE L-4 AMMENDED SA GW									
2-Chlorotoluene	N	ug/L			--	--	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U
2-Hexanone	N	ug/L			--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
4-Chlorotoluene	N	ug/L			--	--	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U
4-Isopropyltoluene (p-Cymene)	N	ug/L			--	--	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Acetone	N	ug/L			--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	6.0
Acrylonitrile	N	ug/L			--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Benzene	N	ug/L	140		--	--	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Bromobenzene	N	ug/L			--	--	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U
Bromodichloromethane	N	ug/L			--	--	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Bromoform	N	ug/L			--	--	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U
Bromomethane	N	ug/L			--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Carbon Disulfide	N	ug/L			--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Carbon Tetrachloride	N	ug/L	70		--	--	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Chlorobenzene	N	ug/L	3200		--	--	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Chloroethane	N	ug/L			--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Chloroform	N	ug/L			--	--	< 0.75 U	< 0.75 U	< 0.75 U	< 0.75 U	< 0.75 U	< 0.75 U	< 0.75 U
Chloromethane	N	ug/L			--	--	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U
cis-1,2-Dichloroethylene	N	ug/L	2400		--	--	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
cis-1,3-Dichloropropene	N	ug/L			--	--	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Dibromochloromethane	N	ug/L			--	--	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Dibromomethane	N	ug/L			--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Dichlorodifluoromethane	N	ug/L			--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Ethylbenzene	N	ug/L	1600		--	--	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Ethylene Dibromide (EDB)	N	ug/L			--	--	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U
Hexachlorobutadiene	N	ug/L			--	--	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Isopropylbenzene (cumene)	N	ug/L			--	--	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Methyl Isobutyl Ketone (MIBK)	N	ug/L			--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Methyl tert-Butyl Ether (MTBE)	N	ug/L	5000		--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Methylene Chloride	N	ug/L			--	--	< 3.0 U	< 3.0 U	< 3.0 U	< 3.0 U	< 3.0 U	< 3.0 U	< 3.0 U
Naphthalene	N	ug/L			--	--	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U
n-Butylbenzene	N	ug/L			--	--	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
n-Propylbenzene	N	ug/L			--	--	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
sec-Butylbenzene	N	ug/L			--	--	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Styrene	N	ug/L	2200		--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
t-Butylbenzene	N	ug/L			--	--	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U
Tetrachloroethylene (PCE)	N	ug/L	150	150	--	--	< 0.50 U	23	22	< 0.50 U	93	< 0.50 U	
Tetrahydrofuran	N	ug/L			--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Toluene	N	ug/L	1700		--	--	< 0.75 U	< 0.75 U	< 0.75 U	< 0.75 U	< 0.75 U	< 0.75 U	< 0.75 U
trans-1,2-Dichloroethylene	N	ug/L	2800		--	--	< 0.75 U	< 0.75 U	< 0.75 U	< 0.75 U	< 0.75 U	< 0.75 U	< 0.75 U
trans-1,3-Dichloropropene	N	ug/L			--	--	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
trans-1,4-Dichloro-2-butene	N	ug/L			--	--	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U
Trichloroethylene (TCE)	N	ug/L	540	540	--	--	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Trichlorofluoromethane	N	ug/L			--	--	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U
Vinyl Chloride	N	ug/L	2	2	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U

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					Sample ID	1399541	1399541	1399541	1399442	1399528	1399548	1399546	1399465
					Sample Date	1/22/2020	1/22/2020	1/22/2020	1/9/2020	1/9/2020	1/28/2020	1/27/2020	1/28/2020
					Test Type	DILUTION	DILUTION1	INITIAL	INITIAL	INITIAL	INITIAL	INITIAL	INITIAL
					Sample Type	N	N	N	N	N	N	N	N
					Sample Class	GWLF	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF	TB
Constituents	Fraction Class	Units	RI GW Protection GB	ROD TABLE L-4 AMMENDED SA GW									
Xylene, o-	N	ug/L			--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Xylenes, m- & p-	N	ug/L			--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Xylenes, Total	N	ug/L			--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
SW8270D													
1,1-Biphenyl (1,1-Diphenyl)	N	ug/L			--	--	< 12 U	--	< 12 U	< 12 U	< 10 U	--	--
1,2,4,5-Tetrachlorobenzene	N	ug/L			--	--	< 2 U	--	< 2 U	< 2 U	< 2 U	--	--
1,2,4-Trichlorobenzene	N	ug/L			--	--	< 2 U	--	< 2 U	< 2 U	< 2 U	--	--
2,4,5-Trichlorophenol	N	ug/L			--	--	< 2 U	--	< 2 U	< 2 U	< 2 U	--	--
2,4,6-Trichlorophenol	N	ug/L			--	--	< 2 U	--	< 2 U	< 2 U	< 2 U	--	--
2,4-Dichlorophenol	N	ug/L			--	--	< 2 U	--	< 2 U	< 2 U	< 2 U	--	--
2,4-Dimethylphenol	N	ug/L			--	--	< 12 U	--	< 12 U	< 12 U	< 10 U	--	--
2,4-Dinitrophenol	N	ug/L			--	--	< 37 U	--	< 36 U	< 36 U	< 30 U	--	--
2,4-Dinitrotoluene	N	ug/L			--	--	< 6 U	--	< 6 U	< 6 U	< 5 U	--	--
2,6-Dinitrotoluene	N	ug/L			--	--	< 2 U	--	< 2 U	< 2 U	< 2 U	--	--
2-Chloronaphthalene	N	ug/L			--	--	< 1 U	--	< 1 U	< 1 U	< 1 U	--	--
2-Chlorophenol	N	ug/L			--	--	< 2 U	--	< 2 U	< 2 U	< 2 U	--	--
2-Methyl-4,6-Dinitrophenol	N	ug/L			--	--	< 26 U	--	< 25 U	< 25 U	< 21 U	--	--
2-Methylnaphthalene	N	ug/L			--	--	< 0.6 U	--	< 0.6 U	< 0.6 U	< 0.5 U	--	--
2-Methylphenol (o-Cresol)	N	ug/L			--	--	< 2 U	--	< 2 U	< 2 U	< 2 U	--	--
2-Nitroaniline	N	ug/L			--	--	< 9 U	--	< 8 U	< 8 U	< 7 U	--	--
2-Nitrophenol	N	ug/L			--	--	< 12 U	--	< 12 U	< 12 U	< 10 U	--	--
3,3-Dichlorobenzidine	N	ug/L			--	--	< 12 U	--	< 12 U	< 12 U	< 10 U	--	--
3-Nitroaniline	N	ug/L			--	--	< 9 U	--	< 8 U	< 8 U	< 7 U	--	--
4-Bromophenyl-phenyl ether	N	ug/L			--	--	< 2 U	--	< 2 U	< 2 U	< 2 U	--	--
4-Chloro-3-methylphenol	N	ug/L			--	--	< 4 U	--	< 2 U	< 4 U	< 4 U	--	--
4-Chloroaniline	N	ug/L			--	--	< 12 U	--	< 12 U	< 12 U	< 10 U	--	--
4-Chlorophenyl-phenyl ether	N	ug/L			--	--	< 2 U	--	< 2 U	< 2 U	< 2 U	--	--
4-Nitroaniline	N	ug/L			--	--	< 4 U	--	< 4 U	< 4 U	< 3 U	--	--
4-Nitrophenol	N	ug/L			--	--	< 37 U	--	< 36 U	< 36 U	< 30 U	--	--
Acenaphthene	N	ug/L			--	--	< 0.6 U	--	< 0.6 U	< 0.6 U	< 0.5 U	--	--
Acenaphthylene	N	ug/L			--	--	< 0.6 U	--	< 0.6 U	< 0.6 U	< 0.5 U	--	--
Anthracene	N	ug/L			--	--	< 0.6 U	--	< 0.6 U	< 0.6 U	< 0.5 U	--	--
Benzo(a)anthracene	N	ug/L			--	--	< 0.6 U	--	< 0.6 U	< 0.6 U	< 0.5 U	--	--
Benzo(a)pyrene	N	ug/L			--	--	< 0.6 U	--	< 0.6 U	< 0.6 U	< 0.5 U	--	--
Benzo(b)fluoranthene	N	ug/L			--	--	< 0.6 U	--	< 0.6 U	< 0.6 U	< 0.5 U	--	--
Benzo(g,h,i)perylene	N	ug/L			--	--	< 0.6 U	--	< 0.6 U	< 0.6 U	< 0.5 U	--	--
Benzo(k)fluoranthene	N	ug/L			--	--	< 0.6 U	--	< 0.6 U	< 0.6 U	< 0.5 U	--	--
bis (2-Chloroethyl) ether	N	ug/L			--	--	< 2 U	--	< 2 U	< 2 U	< 2 U	--	--
bis(2-Chloroethoxy)methane	N	ug/L			--	--	< 2 U	--	< 2 U	< 2 U	< 2 U	--	--
bis(2-Chloroisopropyl)ether	N	ug/L			--	--	< 2 U	--	< 2 U	< 2 U	< 2 U	--	--
bis(2-ethylhexyl) Phthalate	N	ug/L			--	--	< 13 U	--	< 13 U	< 13 U	< 11 U	--	--
Butyl Benzyl Phthalate	N	ug/L			--	--	< 6 U	--	< 6 U	< 6 U	< 5 U	--	--
Carbazole	N	ug/L			--	--	< 2 U	--	< 2 U	< 2 U	< 2 U	--	--
Chrysene	N	ug/L			--	--	< 0.6 U	--	< 0.6 U	< 0.6 U	< 0.5 U	--	--

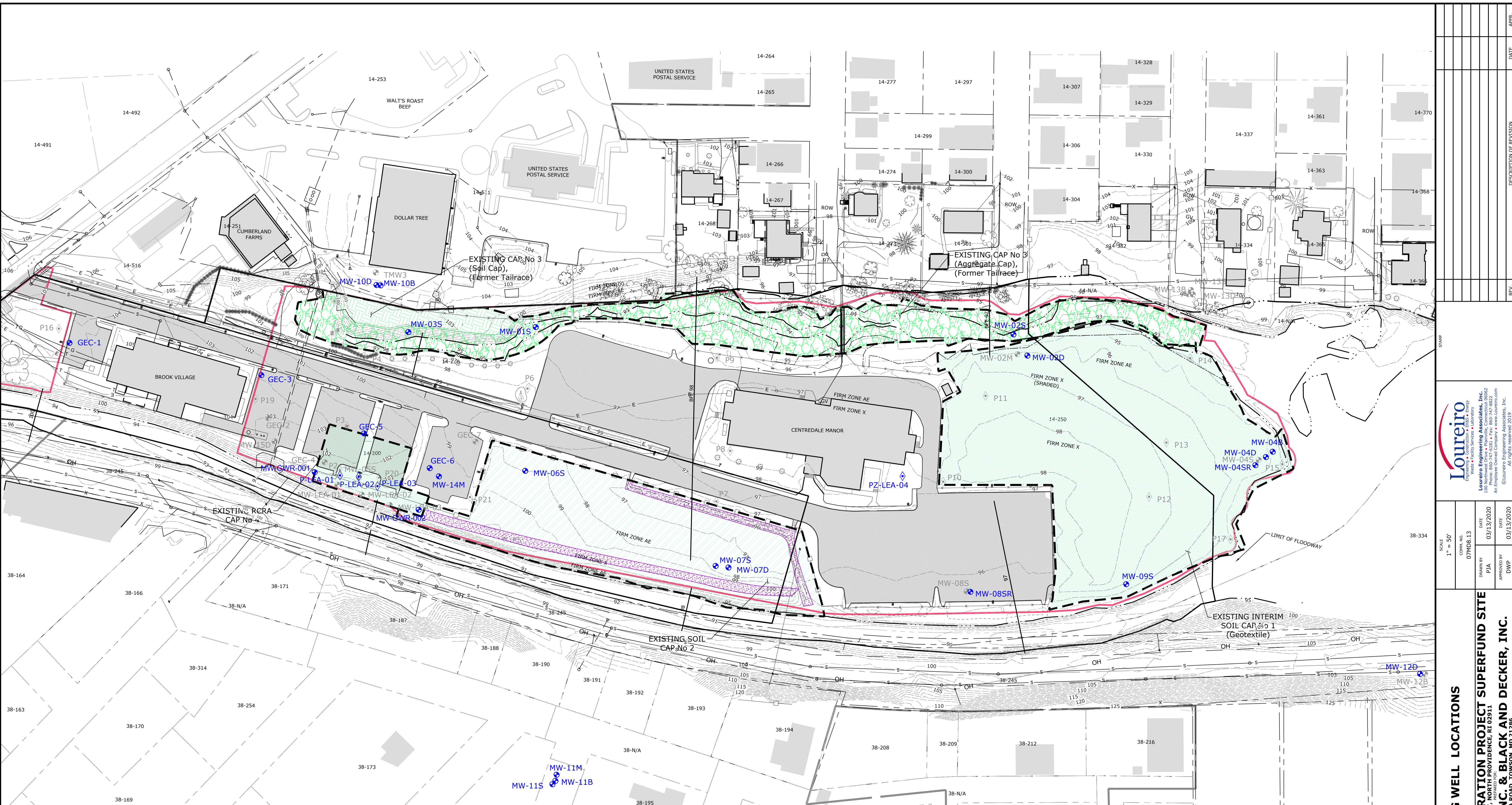
Constituents	Fraction Class	Units	RI GW Protection GB	ROD TABLE L-4 AMMENDED SA GW	Location ID	MW-12D	MW-12D	MW-12D	MW-14M	MW-14M	MW-GWR-001	MW-GWR-002	PDI-SA-GW-BK
					Sample ID	1399541	1399541	1399541	1399442	1399528	1399548	1399546	1399465
					Sample Date	1/22/2020	1/22/2020	1/22/2020	1/9/2020	1/9/2020	1/28/2020	1/27/2020	1/28/2020
					Test Type	DILUTION	DILUTION1	INITIAL	INITIAL	INITIAL	INITIAL	INITIAL	INITIAL
					Sample Type	N	N	N	N	N	N	N	N
					Sample Class	GWLF	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF	TB
Dibenzo(a,h)anthracene	N	ug/L			--	--	< 0.6 U	--	< 0.6 U	< 0.6 U	< 0.5 U	--	
Dibenzofuran	N	ug/L			--	--	< 2 U	--	< 2 U	< 2 U	< 2 U	--	
Diethyl Phthalate	N	ug/L			--	--	< 6 U	--	< 6 U	< 6 U	< 5 U	--	
Dimethyl Phthalate	N	ug/L			--	--	< 6 U	--	< 6 U	< 6 U	< 5 U	--	
Di-n-butyl Phthalate	N	ug/L			--	--	< 6 U	--	< 6 U	< 6 U	< 5 U	--	
Di-n-octyl Phthalate	N	ug/L			--	--	< 13 U	--	< 13 U	< 13 U	< 11 U	--	
Fluoranthene	N	ug/L			--	--	< 0.6 U	--	< 0.6 U	< 0.6 U	< 0.5 U	--	
Fluorene	N	ug/L			--	--	< 0.6 U	--	< 0.6 U	< 0.6 U	< 0.5 U	--	
Hexachlorobenzene	N	ug/L			--	--	< 0.6 U	--	< 0.6 U	< 0.6 U	< 0.5 U	--	
Hexachlorobutadiene	N	ug/L			--	--	< 2 U	--	< 2 U	< 2 U	< 2 U	--	
Hexachlorocyclopentadiene	N	ug/L			--	--	< 13 U	--	< 13 U	< 13 U	< 11 U	--	
Hexachloroethane	N	ug/L			--	--	< 6 U	--	< 6 U	< 6 U	< 5 U	--	
Indeno(1,2,3-c,d)pyrene	N	ug/L			--	--	< 0.6 U	--	< 0.6 U	< 0.6 U	< 0.5 U	--	
Isophorone	N	ug/L			--	--	< 2 U	--	< 2 U	< 2 U	< 2 U	--	
m- & p- Cresol	N	ug/L			--	--	< 2 U	--	< 2 U	< 2 U	< 2 U	--	
Naphthalene	N	ug/L			--	--	< 0.6 U	--	< 0.6 U	< 0.6 U	< 0.5 U	--	
Nitrobenzene	N	ug/L			--	--	< 2 U	--	< 2 U	< 2 U	< 2 U	--	
n-Nitroso-di-n-propylamine	N	ug/L			--	--	< 4 U	--	< 4 U	< 4 U	< 3 U	--	
n-Nitrosodiphenylamine	N	ug/L			--	--	< 4 U	--	< 4 U	< 4 U	< 3 U	--	
Pentachloronitrobenzene	N	ug/L			--	--	< 6 U	--	< 6 U	< 6 U	< 5 U	--	
Pentachlorophenol	N	ug/L			--	--	< 6 U	--	< 6 U	< 6 U	< 5 U	--	
Phenanthrene	N	ug/L			--	--	< 0.6 U	--	< 0.6 U	< 0.6 U	< 0.5 U	--	
Phenol	N	ug/L			--	--	< 2 U	--	< 2 U	< 2 U	< 2 U	--	
Pyrene	N	ug/L			--	--	< 0.6 U	--	< 0.6 U	< 0.6 U	< 0.5 U	--	
SW8290A													
1234678-HpCDD	N	pg/l			--	--	2.61 JBQ	--	1.75 JBQ	1.27 JBQ	1.26 JB	--	
1234678-HpCDF	N	pg/l			--	--	0.947 JB	--	0.658 JB	0.687 JB	0.561 JB	--	
1234789-HpCDF	N	pg/l			--	--	0.343 JBQ	--	1.03 JB	0.465 JBQ	0.402 JBQ	--	
123478-HxCDD	N	pg/l			--	--	0.204 JBQ	--	0.681 JBQ	0.449 JB	0.324 JB	--	
123478-HxCDF	N	pg/l			--	--	0.270 JB	--	0.337 JBQ	0.442 JB	0.383 JBQ	--	
123678-HxCDD	N	pg/l			--	--	< 26.8 U	--	0.459 JBQ	0.429 JBQ	0.394 JBQ	--	
123678-HxCDF	N	pg/l			--	--	0.498 JBQ	--	0.352 JBQ	0.418 JB	0.367 JB	--	
123789-HxCDD	N	pg/l			--	--	0.191 JBQ	--	0.706 JBQ	0.370 JB	0.486 JBQ	--	
123789-HxCDF	N	pg/l			--	--	< 26.8 U	--	0.717 JBQ	0.564 JBQ	0.409 JBQ	--	
12378-PeCDD	N	pg/l			--	--	< 26.8 U	--	1.02 JBQ	0.476 JB	0.599 JBQ	--	
12378-PeCDF	N	pg/l			--	--	0.423 JBQ	--	0.995 JB	0.677 JBQ	0.580 JBQ	--	
234678-HxCDF	N	pg/l			--	--	0.338 JBQ	--	0.865 JBQ	0.549 JB	0.429 JB	--	
23478-PeCDF	N	pg/l			--	--	0.293 JBQ	--	0.721 JBQ	0.403 JBQ	0.482 JBQ	--	
2378-TCDD	N	pg/l		1800	--	--	< 5.36 U	--	0.333 JB	3.95 JB	3.33 JB	--	
2378-TCDF	N	pg/l			--	--	< 5.36 U	--	< 5.34 U	< 5.62 U	0.221 JQ	--	
OCDD	N	pg/l			--	--	6.98 JB	--	1.88 JBQ	3.65 JB	4.15 JBQ	--	
OCDF	N	pg/l			--	--	0.846 JBQ	--	1.68 JBQ	1.38 JB	1.18 JB	--	
Toxicity Equivalent	N	pg/l			--	--	0.292	--	2.05	4.92	4.41	--	
Toxicity Equivalent-Bird	N	pg/l			--	--	0.492	--	2.53	5.17	4.92	--	

**Draft**

Table 1 (Draft)  
Groundwater Analytical Results - Winter 2020  
Centre dale Manor Restoration Project Superfund Site  
North Providence, Rhode Island

					Location ID	MW-12D	MW-12D	MW-12D	MW-14M	MW-14M	MW-GWR-001	MW-GWR-002	PDI-SA-GW-BKT
					Sample ID	1399541	1399541	1399541	1399442	1399528	1399548	1399546	1399465
					Sample Date	1/22/2020	1/22/2020	1/22/2020	1/9/2020	1/9/2020	1/28/2020	1/27/2020	1/28/2020
					Test Type	DILUTION	DILUTION1	INITIAL	INITIAL	INITIAL	INITIAL	INITIAL	INITIAL
					Sample Type	N	N	N	N	N	N	N	N
					Sample Class	GWLF	GWLF	GWLF	GWLF_BP	GWLF	GWLF	GWLF	TB
Constituents	Fraction Class	Units	<b>RI GW Protection GB</b>	ROD TABLE L-4 AMMENDED SA GW		--	--						
Toxicity Equivalent-Fish	N	pg/l				--	--	0.399	--	2.37	5.11	4.55	--

## **Monitoring Well Locations**



**SAMPLE REFERENCE:**  
ALL HISTORICAL SAMPLE LOCATIONS SHOWN WERE OBTAINED ELECTRONICALLY FROM THE EPA DATABASE FOR THE CENTREDALE MANOR RESTORATION PROJECT SUPERFUND SITE AND WERE NOT LOCATED BY LOUREIRO ENGINEERING ASSOCIATES, INC.

- PROPERTY SURVEY AND EXISTING CONDITIONS, PROPERTIES OF BROOKSIDE VILLAGE SENIOR HOUSING LLC, 2072 SMITH STREET (ROUTE 44) AND CENTREDALE MANOR ASSOCIATES, 21074 SMITH STREET (ROUTE 44), NORTH PROVIDENCE & JOHNSTON, RHODE ISLAND, BY LOUREIRO ENGINEERING ASSOCIATES, INC. APRIL 2019. DATUMS ARE RHODE ISLAND STATE PLANE NAD83 AND NAVD88.
- ADDITIONAL UTILITY INFORMATION PER "CORBUIT UTILITY LOCATION WORKSHEET" PROVIDED BY CORBUIT, LLC.
- JOHNSTON, RHODE ISLAND PARCELS WERE PROVIDED BY APPLIED GEOGRAPHICS INC. LAST UPDATED ON 12/08/17.
- NORTH PROVIDENCE, RHODE ISLAND PARCELS WERE PROVIDED BY THE TOWN OF NORTH PROVIDENCE GIS DEPARTMENT.
- FEMA FLOOD ZONES FROM <<https://www.floodmaps.fema.gov/NFHL/status.shtml>>, DATED 10/2/2015, REVISED 3/15/2018.

**LEGEND**

- OUTLINE OF EXISTING CAP
- EXISTING INTERIM SOIL CAP NO 1
- EXISTING INTERIM SOIL CAP NO 2
- EXISTING SOIL CAP NO 2-STONE DITCH & STONE BERM
- EXISTING UNLINED CAP NO 3 (FORMER TAILRACE)
- EXISTING RCRA SUBTITLE C CAP (CAP NO 4)
- DENOTES OUTLINE OF PROPOSED RCRA SUBTITLE C CAP
- APPROXIMATE PROPERTY BOUNDARY AND PARCEL PLAT NUMBER (ASSESSOR)
- BUILDING
- EDGE OF PAVED AREA
- TOPOGRAPHIC CONTOUR
- EDGE OF WATER COURSE/WATERBODY
- 100 FEMA BASE FLOOD AND ELEVATION
- EDGE OF RIP-RAP

- EXISTING MONITORING WELL LOCATION
- ◆ EXISTING PIEZOMETER LOCATION
- ◆ DECOMMISSIONED/NOT LOCATED/DESTROYED MONITORING WELL LOCATION
- ◆ NOT LOCATED/DESTROYED PIEZOMETER LOCATION
- ✖ PROPOSED PIEZOMETER LOCATION

**DRAFT**  
2074  
SMITH STREET, JOHNSTON, RI 02911  
EMHART INDUSTRIES, INC. & BLACK AND DECKER, INC.  
701 EAST JOPPA ROAD, BOSTON, MA 02128

## MONITORING WELL LOCATIONS

### CENTREDALE MANOR RESTORATION PROJECT SUPERFUND SITE

MAP REFERENCE: 2074 SMITH STREET, JOHNSTON, RI 02911

DRAWING SOURCE: ENVIRONMENTAL LOCATOR SHEET

1

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